



**King Hussein Cancer Center**

**Department of Pathology & Laboratory Medicine (DPLM)**

# **DPLM Alphabetical Tests List & Collection Requirements**

**(IPPLAB-GEN.02-Attach I/R5)**

**Issue Date May 13<sup>th</sup>, 2023**

Written By:  
Tamara Dabbagh

Reviewed by:  
Noor Al-Maaitah  
Tamara Dabbagh

Approved by:  
Dr. Maher Sughayer  
DPLM Chairman

## DPLM Alphabetical Tests List & Collection Requirements



Department of Pathology & Laboratory Medicine

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## **Chapter One: DPLM Directory**

<b>Office/Section</b>	<b>Phone Number</b>
<b>DPLM Chairman- Dr. Maher Sughayer</b>	<b>1551</b>
<b>Chairman Administrative Assistant</b>	<b>1432</b>
<b>Department Coordinators</b>	<b>1548-1250</b>
<b>Quality Management Office- Supervisor</b>	<b>1191</b>
<b>Quality Management Office</b>	<b>1194-6227</b>
<b>Microbiology</b>	<b>1547- 1706</b>
	<b>Mobile: 077849 9816</b>
<b>Microbiology Supervisor</b>	<b>1127</b>
<b>Anatomic Pathology</b>	<b>1153-7464</b>
<b>Anatomic Pathology Supervisor</b>	<b>1157</b>
<b>Immunochemistry</b>	<b>1345-1022-7443-7724-6220-6281</b>
	<b>Mobile: 077766135</b>
<b>Immunochemistry Supervisor</b>	<b>3272</b>
<b>Immunology</b>	<b>1744 –7707</b>
<b>Immunology Section Head</b>	<b>1414</b>
<b>Hematology</b>	<b>1743</b>
	<b>Mobile: 0778499793</b>
<b>Hematology Supervisor</b>	<b>1705</b>
<b>Blood Bank</b>	<b>1710</b>
	<b>Mobile: 0778449276</b>
<b>Blood Bank Supervisor</b>	<b>1102</b>
<b>Blood Bank Donation Area</b>	<b>1738</b>
<b>Hematopathology flowcytometry</b>	<b>6260</b>
<b>Phlebotomy Senior</b>	<b>1535</b>
<b>DPLM Phlebotomy Services – Nizar Al-Naqeeb</b>	<b>1732 – 5063</b>
<b>DPLM Phlebotomy Services – Shiekh Khalifeh</b>	<b>5215</b>
<b>(5<sup>th</sup> Floor)</b>	

**Chapter Two: Alphabetical Tests List & Collection Requirements**

<b><u>#</u></b>	<b><u>A</u></b>	<b><u>B</u></b>	<b><u>C</u></b>	<b><u>D</u></b>	<b><u>E</u></b>	<b><u>F</u></b>
<b><u>G</u></b>	<b><u>H</u></b>	<b><u>I</u></b>	<b><u>J</u></b>	<b><u>K</u></b>	<b><u>L</u></b>	<b><u>M</u></b>
<b><u>N</u></b>	<b><u>O</u></b>	<b><u>P</u></b>	<b><u>Q</u></b>	<b><u>R</u></b>	<b><u>S</u></b>	<b><u>T</u></b>
<b><u>U</u></b>	<b><u>V</u></b>	<b><u>W</u></b>	<b><u>Y</u></b>	<b><u>Z</u></b>		

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
1.	<b>7-amino-actinomycin D (Cell viability Solution)</b>	<b>7-AAD</b>	<p>The specimens in flow include the below:</p> <ul style="list-style-type: none"> <li>• <b>Peripheral blood (PB):</b> EDTA, lithium heparin, and acid citrate dextrose (ACD).</li> <li>• <b>Bone marrow (BM):</b> EDTA, lithium heparin, and acid citrate dextrose (ACD).</li> <li>• <b>Body fluids</b> (pleural fluid, ascitic fluid, pericardial fluid vitreous fluid and cerebrospinal fluid): Fluids shall be collected as per standard medical practice. For CSF, special precautions should be taken, it should be processed within an hour or two. If delay in the processing is anticipated, CSF should be collected in RPMI media with bovine serum (contact lab).</li> <li>• <b>Fine needle aspirates (FNA)</b> from lymph nodes (LN) and other lesions: Transported in RPMI media to the laboratory (contact lab for the RPMI media).</li> <li>• <b>Fresh tissue samples:</b> Transported in RPMI media or sterile saline-soaked gauze at removal, and kept moist throughout transport to the laboratory (contact lab for the RPMI media).</li> </ul>	Hematopathology – Flow cytometry Sunday to Thursday: 8:00 am-4:00 pm Otherwise: Contact the Lab.	1 working day	Viability should be at least 80%.	<p>-Fresh blood and bone marrow up to 48 hrs. at room temperature.</p> <p>-Collect tissue / FNA in RPMI media and send immediately.</p>
2.	<b>17-Beta-Estradiol</b>	<b>E2</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry 24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	State day of menstrual cycle. Steroid therapy may influence result.
3.	<b>25 Hydroxy Vitamin D3</b>	<b>VIT D</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry 24 hours/day</b>	2-8 Hours	<p>deficiency <math>\leq 20</math> ng/mL</p> <p>Insufficient <math>&lt; 30</math> ng/mL</p> <p>Normal <math>\geq 30</math> ng/mL</p>	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
4.	17-Hydroxyprogesterone	17-OHP	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Ref. Range : (5-30)days:0.7-2.5 ng/ml , Male(31-60)days:0.8-5.0 Female(31-60)days:0.5-2.3ng/ml , (3-14)years :0.07-1.7ng/ml , Female Follicular:0.2-1.3 ,Female Luteal :1.0-4.5ng/ml Female Postmenopausal : 0.2-0.9ng/ml	Room temperature Due to diurnal variation, sample collection time should be noted and standardized.

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No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
5.	5-Hydroxyindole Acetic Acid	5-HIAA	24hr urine collection	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Ref. Range : <15.0 mg/24hrs	On day 1, urinate into the toilet when you wake up in the morning. Collect all of your urine in a special container for the next 24 hours. On day 2, urinate into the container in the morning when you wake up. - Cap the container. Keep it in the refrigerator or a cool place during the collection period. - Label the container with your name, the date, and the time you complete the sample, and return it as instructed. Deliver the urine sample to the laboratory before 10am.
6.	5-Nucleotidase,Serum Level	-	Minimum 2-3 ml Blood "Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	1 – 3 working days	< 10 IU/L	Glass tube

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
<b>A</b>							
7.	Acetaminophen (Paracetamol)	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	2 Days	Ref. Range :Therapeutic Level: 10-30 , Toxic Conc. : More Than 200ug/mL	Room temperature
8.	Acetone, Screen	Ace	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	Negative	Room Temperature
9.	Adjusted calcium	Adj Ca	Calculated Test combined with Calcium & Albumin tests	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Not orderable test listed in calcium adjusted panel, chem-14 & Chem-20 profiles.
10.	Acetylcholine Receptor (MUSCL ACHR) Binding Ab	AChR	2 ml Serum	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Not Applicable	Room temperature.
11.	Acid Fast Bacillus Culture + AFB Stain	AFB	<ol style="list-style-type: none"> <li>1. Tissue, skin, Tissue should be submitted in 2 to 3 mL sterile saline</li> <li>2. Blood: 3-5 Heparin tubes (green tip)</li> <li>3. Sterile Body fluids except CSF: ≥ 15 mL as much fluid as possible;</li> <li>4. Bone marrow: ≥ 10 mL sterile screw cap container</li> <li>5. Or 5 Heparin tubes (green tip)</li> <li>6. Lower respiratory tract (TRAP/Sputum/BAL) : ≥ 3 mL</li> <li>7. Urine: ≥ 40 ml</li> <li>8. CSF: 2-3 mL</li> <li>9. &gt;2ml first morning sputum, not saliva in sterile container</li> </ol>	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	AFB Stain: 24 hours AFB Culture: 6-8 Weeks If Negative	AFB stain: No acid- fast bacilli, observed.  AFB Culture negative after 6 weeks of Incubation	Room temperature



### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
12.	Acid Fast Bacillus Stain	AFB	See Acid Bacilli culture+ AFB stain	<b>Microbiology</b> 24 hours,  Recommended time: 8:00AM – 4:00 PM	24 hours	AFB stain: No acid-fast bacilli, observed.	Room temperature
13.	Activated Partial Thromboplastin Time	PTT	Citrated blood "Blue Top"" fill to mark	<b>Hematology</b> 24 hours/day	4-8 Hours	27.1-41.8 sec Therapeutic range (72-103)	Room temperature
14.	Adenovirus, IgG	AdV	2 ml Serum	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room Temperature
15.	Adenovirus, IgM	AdV	2 ml Serum	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room Temperature
16.	Adenovirus, Stool	AdV	Fresh stool specimen in a clean container. Follow up on a previously positive antigen detection tests should be done not less than every 48 hours.	<b>Microbiology</b> 24 hours/day	2-4 Hours	Negative	Room temperature
17.	Adrenocorticotrophic Hormone (ACTH)	ACTH	EDTA "Fill to Mark" (Lavender)- Under ICE	<b>Immunochemistry</b> 8am-10 am	2-8 Hours	7.2 63.3 pg/mL	Patient Fasting at least 8 hrs, Collect Venous Blood In EDTA Tube, Sample Must Be Kept Cold And Transported On Ice Immediately To The Lab, Sample Must Arrive At Laboratory Before 10 am.

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No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
18.	Anti-Diuretic Hormone	ADH	Minimum 2-3 ml Blood " Plain Red Top Tube" Minimum 2 ml EDTA blood tube “Lavender Top” fill to mark	<b>Immunology</b> Send out test /contact the laboratory	1-2 Weeks	Ref. Range : 1.1 - 4.5 pg./ml	Under ice
19.	Albumin, Level	Alb	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
20.	Albumin, Body Fluids	Alb	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Not Established See Portal (For interpretation) g/dl	Room Temperature
21.	Aldolase Level	ALDOA	Minimum 3 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 8 am-10 am	One Week	Adult: <7.6 U/L children: <16.3 U/L	Under ice Sample must be obtained at 8 am, it must be delivered to the Immunochemistry section before 10 am
22.	Alkaline Phosphatase	ALP	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	130 – 335 U/L(1 - 15) years 47 – 230 U/L(16-21) years 37 - 130 U/L (22-64) years	Room Temperature
23.	Alkaline Phosphatase Isoenzymes	ALP-ISO	3-5 ml Blood plain / Tube Red Top	<b>Immunochemistry</b> 8 am-10 am	One Week	Bone fraction :<15 U/L Liver fraction:<12.3 U/L	Patient should be fasting Room temperature
24.	Alanine Aminotransferase	ALT	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Not Applicable	Room temperature
25.	Albumin , Body Fluids	ALB BF	1-3 ml fluid	<b>Immunochemistry</b> 24 hours/day	8-24 Hours	Not Applicable	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
26.	Albumin, Serum Level	ALB	3-5 ml Blood plain / Tube Red Top	Immunochemistry 24 hours/day	2-8 Hours	Not Applicable	Room temperature
27.	Aldolase , Serum Level	ALDOA	3-5 ml Blood plain / Tube Red Top	Immunochemistry 8 am-9 am	One Week	Not Applicable	Under ice Sample must be obtained at 8 am, it must be delivered to the Immunochemistry section before 10 am
28.	Aldosterone	ALD	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	1-2 Weeks	Ref. Range : Standing : 40-310 , Recombant : 10-160pg/mL	Under ice Sample must be obtained at 8 am, it must be delivered to the immunology Laboratory before 10 am, the patient must to be upright or lying down for a period of time 15-30 minutes, prior to sample collection.
29.	ALK (IMMUNOHISTOIMMUNOCHEMISTRY )	ALK -IHC	Paraffin Block	Pathology Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
30.	Alkaline Phosphatase	ALK	3-5 ml Blood plain / Tube Red Top	Immunochemistry 24 hours/day	2-8 Hours	Not Applicable	Room temperature

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No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
31.	Alpha-1-Antitrypsin	AAT	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	3-5 Working Days	Adult: 90-200 mg/dl Child: Less than month: 124-348 1-6 months:111-297 7-24months:95-251 More than months:110-280 mg/dl	Room temperature
32.	Alpha-Feto Protein , Serum Level	AFP	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	≤ 7.0 ng/mL	Room Temperature
33.	Alanine Aminotransferase	ALT	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	7.2 - 21.2 U/L (0 - 18) years 7.0 - 47 U/L (18 -99 ) Year	Room Temperature
34.	AMIKACIN Peak		Minimum 1 ml Blood Lithium Heparin (LightGreen) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	One Hours	Therapeutic range : 20 - 25 Toxic Level : >35	Room Temperature
35.	AMIKACIN Trough		Minimum 1 ml Blood Lithium Heparin (LightGreen) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	One Hours	Therapeutic range : 5 - 10 Toxic Level : >10	Room Temperature
36.	Ammonia ,Plasma	NH3	EDTA blood tube "Lavender Top" fill to mark/ Under ice	Immunochemistry 24 hours/day	One Hours	< or =30 mcmol/L	Keep on ice
37.	Amylase In 24HR Urine Collection	AMY urine	24 hours Urine collection container kept cool	Immunochemistry 24 hours/day	2-8 Hours	3-26 U/24hr	Keep the container in a cool place (Refrigerator)
38.	Amylase Level	AMY	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	28-100 U/L	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
39.	Amylase (Urine)	AMY	5-10 ml Midstream Random urine	Immunochemistry 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
40.	Amylase ,Body Fluid	AMY BF	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	Immunochemistry 24 hours/day	2-8 Hours	Drainage fluid:175-450 U/L Peritoneal fluid: <1100 U/L See Portal (For interpretation)	Room Temperature
41.	Anti-Insulin Antibody	AIA	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	3-5 Working Days	Negative	<b>Under ice</b> 12 Hrs. fasting required. Sample must be collected at 8 am and sent to the Immunology Laboratory before 10 am.
42.	Anti-Hepatitis-A Total Ab Quantitative	HAV	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	≥1.20 COI Negative for HAV-specific antibodies ≥ 0.8 to < 1.2 COI Gray zone < 0.80 COI Positive for HAV-specific antibodies	Room Temperature
43.	Anaerobic Swab Culture	-	Aspirating abscess fluid with sterile syringe and needle and then injecting the aspirated material into anaerobic transport swab.	Microbiology 8 am- 5 pm	5-7 Days If Negative	- No growth after seven days incubation	Room temperature, send immediately
44.	Anal Biopsy / Polyp	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
45.	Anal Fissure / Fistula	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room temperature
46.	Androstenedione, Serum Level	ASD	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Ref. Range: Male:0.7-3.6 ,Female:0.3-3.5 ng/ml	<b>Under ice</b> Sample must be obtained at 8 am; it must be delivered to the Immunology Laboratory before 10 am.
47.	Angiotensin Converting Enzyme	ACE	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Ref. Range : 8-52 U/L	Room temperature
48.	Antibody Elution	-	EDTA blood tube "Lavender Top " fill to mark	<b>Blood Bank</b> 8 am- 5 pm	24 Hours	Not Applicable	Room temperature
49.	Antibody Identification	-	Call Blood Bank Extension. 1710	<b>Blood Bank</b> 24 hours/day	8-24 Hours	Not Applicable	Room temperature
50.	Antibodies Titer	-	EDTA blood tube "Lavender Top " fill to mark	<b>Blood Bank</b> 8 am- 5 pm	24 Hours	Not Applicable	Room temperature
51.	Antiacetyl Choline Receptor Antibody	AChR AB	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Ref. Range: Titer: less than 1:10	Room temperature
52.	Anti-Cardiolipin AB, IgG	ACA IgG	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative: less than or equal 15 Positive: more than 15.0 GPL/mL	Room temperature
53.	Anti-Cardiolipin Ab, IgM	ACA IgM	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> 8 am- 3 pm	3-5 Working Days	Negative: less than or equal 15 Positive: more than 15.0 MPL/mL	Room temperature

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No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
54.	Anti-Cyclic Citrullinated Peptide	CCP	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative: less than 1.8 IU/L  Borderline: more than or equal 1.8 Positive: more than or equal 2.0	Room temperature
55.	Anti-Deoxyribonuclear Antibodies	Anti-DNA Ab	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Not Applicable	Room temperature
56.	Anti Endomysial Antibody IgA	EMA IgA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Not Applicable	Room temperature
57.	Anti Endomysial Antibody IgG	EMA IgG	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Not Applicable	Room temperature
58.	Anti Entamoeba Histolytica Ab	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
59.	Anti-GAD Antibody	GAD	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room Temperature
60.	Anti Gliadin Antibody IgG	AGA Igg	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Normal: less than 12 U/ml  Elevated: more than 12	Room temperature

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No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
61.	Anti Gliadin Antibody, IgA	AGA IgA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Normal: less than 12 U/ml Elevated: equal or more than 12	Room temperature
62.	Anti-Glomerular Basement Membrane Anti Body	anti-GBM	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room Temperature
63.	Anti-Intrinsic FACTOR Antibodies	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative: less than 6 Positive: more than or equal 6	Room temperature
64.	Anti-Islet Cells Antibody	ICA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room Temperature
65.	Anti-Liver Kidney Microsomal-1 Antibody	LKM-1	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Not Applicable	Room temperature
66.	Anti-Mitochondrial Antibodies	AMA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
67.	Anti-Neuronal Nuclear Antibodies, Serum	ANNA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
68.	Anti Neutrophelic Cytoplasmic Antibody	ANCA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
69.	Anti-Nuclear Antibodys	ANA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Titer: less than 1:80	Room temperature



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No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
70.	Anti-Ovarian Antibodies, Serum	AOA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Ref. Range : Titer: less than 1:20	Room temperature
71.	Anti-Parietal Cell Antibodies	APCA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Ref. Range: Titer: less than 1:20	Room temperature
72.	Anti-Phospholipid Antibodies, Igm	APLAs IgM	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative: less than or equal 15 Positive: more than 15.0 UL/mL	Room temperature
73.	Anti-Phospholipid Antibodies, Igg	APLAs IgG	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative: less than or equal 15 Positive: more than 15.0 UL/mL	Room temperature
74.	Anti-Saccharomyces Ab	ASCA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Ref. Range: Titer: less than 1:20	Room temperature
75.	Anti-Skin Antibodies Indirect	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
76.	Anti-Smooth Muscle Antibodies	ASMA	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Ref. Range: Titer: less than 1:20	Room temperature
77.	Anti Streptolysin O Titer	ASO	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
78.	Anti-Thyroglobulin Antibodies	TgAb	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	≤ 115 IU/mL	Room Temperature

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No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
79.	Anti-SARS-Cov-2 Spike	SARS-CoV-2	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	< 0.80 U/mL Negative for anti SARS CoV 2 S ≥ 0.80 U/mL Positive for anti SARS CoV 2 S	Room Temperature
80.	Anti-Thrombin Iii Activity	ATIII	SODIUM CITRATE TUBE "Blue Top" fill to mark	Immunochemistry 24 hours/day	2-8 Hours	80-120 %	Room Temperature
81.	Anti-Thyroid Microsomal Antibodies	TPO	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	3-5 Working Days	Ref. Range: Titer: less than 1:100	Room temperature
82.	Anti-Thyroid Peroxidase Antibodies	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	3-5 Working Days	Ref. Range : 0-5.61 IU/ml	Room temperature
83.	Anti-Tissue Transglutaminase IGG & IGA	anti-tTG	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
84.	Appendix	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room temperature
85.	Arterial blood gas plus extended critical care profile	ABG	Minimum 0.5 ml HEPARINIZED SYRINGE – under ice	Immunochemistry 24 hours/day	One Hours	See Age -gender dependent ref. range.	Should arrive the lab ASAP No more than 30 mint
86.	Aspartate Aminotransferase	AST	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	8-48 U/L	Room Temperature
87.	Aspirate Fluid Culture (Aerobic +Anaerobic+ Gram Stain)	-	- Volume: > 3 mL in sterile container  - Or Volume: 8-10 mL in Blood culture Aerobic bottles + 8-10 mL in Anaerobic bottle.	Microbiology 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours Culture: 5-7 Days If Negative	Aerobic: No Growth after 5 days incubation  Anaerobic: No growth after 5 days incubation	Room temperature

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
	<h1>B</h1>						
88.	<b>Bacterial Isolate For ID And Sensitivity</b>	-	Isolated organism on culture media-sealed and BIOHAZARD labeled	<b>Microbiology</b> 8 am- 4 pm	3-5 Days	Not Applicable	Room Temperature
89.	<b>Beta-2-Microglobulin</b>	<b>B2M</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
90.	<b>Beta Human Chorionic Gonadotropin</b>	<b>Beta-HCG</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
91.	<b>Bicarbonate</b>	<b>HCO3</b>	Minimum 1 ml Blood Lithium Heparin (LightGreen) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	21-28 mmol/L	Room Temperature
92.	<b>Bile Secretion Culture + Gram Stain</b>	-	- Volume: > 3 mL in sterile container	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours Culture: 5-7 Days If Negative.	Aerobic: No Growth after 5 days incubation  Anaerobic: No growth after 5 days incubation	Room temperature. Transport immediately
93.	<b>Bilirubin Direct</b>	<b>DBIL</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	0.01 - 0.3 mg/dl	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
94.	<b>Bilirubin Total Level</b>	<b>TBL</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
95.	<b>Bilirubin Total, Body Fluid</b>	<b>BIL BF</b>	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Not Established See Portal (For interpretation)	Room Temperature
96.	<b>Bladder Biopsy</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room temperature
97.	<b>Bladder: Radical Cystectomy</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room temperature
98.	<b>Bladder Tumor Tur</b>	<b>TURBT</b>	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room temperature

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
99.	Blood Culture-Hickman-White Lumen (Aerobic + Anaerobic)	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p><input type="checkbox"/> Versa TREK: 1 - 5 ml</p> <p><input type="checkbox"/> BACTEC: 3 - 8 ml</p> <p><b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle</p>	Microbiology 24 hours	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature</p>

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
100.	<b>Blood Culture-Hickman-Red/Brown Lumen (Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p><input type="checkbox"/> Versa TREK: 1 - 5 ml</p> <p><input type="checkbox"/> BACTEC: 3 - 8 ml</p> <p><b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle</p>	<b>Microbiology</b> 24 hours	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature</p>

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
101.	<b>Blood Culture-Hickman-Blue Lumen (Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p>☐ Versa TREK: 1 - 5 ml</p> <p>☐ BACTEC: 3 - 8 ml <b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle</p>	<b>Microbiology</b> 24 hours	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature,</p>

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
102.	<b>Blood Culture-PICC-White Lumen (Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p>☐ Versa TREK: 1 - 5 ml</p> <p>☐ BACTEC: 3 - 8 ml <b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle</p>	<b>Microbiology</b> 24 hours	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature,</p>



## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
103.	<b>Blood Culture-PICC-Red/Brown Lumen (Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p><input type="checkbox"/> Versa TREK: 1 - 5 ml</p> <p><input type="checkbox"/> BACTEC: 3 - 8 ml <b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle</p>	<b>Microbiology</b> 24 hours	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature,</p>
104.	<b>Blood Culture-Cvp-Red/Brown Lumen (Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p><input type="checkbox"/> Versa TREK: 1 - 5 ml</p> <p><input type="checkbox"/> BACTEC: 3 - 8 ml <b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle.</p>	<b>Microbiology</b> 24 hours	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature,</p>

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
105.	<b>Blood Culture-Cvp-White Lumen (Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p><input type="checkbox"/> Versa TREK: 1 - 5 ml</p> <p><input type="checkbox"/> BACTEC: 3 - 8 ml <b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle</p>	<b>Microbiology</b> 24 hours	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature,</p>
106.	<b>Blood Culture-Cvp-Blue Lumen (Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p><input type="checkbox"/> Versa TREK: 1 - 5 ml</p> <p><input type="checkbox"/> BACTEC: 3 - 8 ml <b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle.</p>	<b>Microbiology</b> 24 hours	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature,</p>

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
107.	<b>Blood Culture-Dialysis CATH -Blue Lumen (Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p><input type="checkbox"/> Versa TREK: 1 - 5 ml</p> <p><input type="checkbox"/> BACTEC: 3 - 8 ml <b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle.</p>	<b>Microbiology</b> 24 hours	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature,</p>
108.	<b>Blood Culture-Port-A-CATH (Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p><input type="checkbox"/> Versa TREK: 1 - 5 ml</p> <p><input type="checkbox"/> BACTEC: 3 - 8 ml <b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle</p>	<b>Microbiology</b> 24 hours	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature,</p>

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
109.	<b>Blood Peripheral Culture - Right(Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p><input type="checkbox"/> Versa TREK: 1 - 5 ml</p> <p><input type="checkbox"/> BACTEC: 3 - 8 ml <b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle</p>	<b>Microbiology</b> 24 hours	5-7 Days If Negative.	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature,</p>
110.	<b>Blood Peripheral Culture - Left (Aerobic + Anaerobic)</b>	-	<p><b>Volume:</b> Blood fill volumes in each bottle :</p> <p><b>Optimal: 8-10 mL</b></p> <p>Minimum blood volumes in each bottle:</p> <p><input type="checkbox"/> Versa TREK: 1 - 5 ml</p> <p><input type="checkbox"/> BACTEC: 3 - 8 ml <b>Container:</b> blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle</p>	<b>Microbiology</b> 24 hours/day	<p>5-7 Days If Negative</p> <p>Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)</p>	<p>Aerobic: No Growth after 5 days incubation</p> <p>Anaerobic: No growth after 5 days incubation</p>	<p>- Send to Microbiology lab after collection immediately</p> <p>- Keep at room temperature,</p>

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
111.	Blood Film	-	EDTA blood tube "Lavender Top" fill to mark	<b>Hematology</b> Working days only	8-24 Hours	Not Applicable	Room temperature
112.	Blood Film For Parasites	-	EDTA blood tube "Lavender Top" fill to mark	<b>Hematology</b> 8 am- 3 pm	8-24 Hours	Not Applicable	Room temperature
113.	Blood Group & Rh Type	<b>ABO + Rh typing</b>	2 ml or 4.5 ml EDTA blood tube "Lavender Top " fill to mark	<b>Blood Bank</b> 24 hours/day	<b>2 - 24 Hours</b>	Not Applicable	Room temperature
114.	BMT-Blood Group And Rh Type	<b>BMT-ABO + Rh typing</b>	EDTA blood tube “lavender top” >2 ml	<b>Blood Bank</b> 24 hours/day	<b>2 - 24 Hours</b>	Not Applicable	<b>Room temperature</b>
115.	BMT/DONOR RECIPIENT ABO And CROSS MATCH	-	EDTA blood tube “lavender top” >2 ml	<b>Blood Bank</b> 24 hours/day	<b>2 - 24 Hours</b>	Not Applicable	<b>Room temperature</b>
116.	Blood Irradiation	-	Call Blood Bank Extension. 1710	<b>Blood Bank</b> 24 hours/day	8-24 Hours	Not Applicable	Room temperature
117.	Blood Unit,Crossmatch & Dispense	<b>CROSSMATCH</b>	2 ml or 4.5 ml EDTA blood tube "Lavender Top " fill to mark or 3-5 ml Blood plain/ tube Red Top	<b>Blood Bank</b> 24 hours/day	8-24 Hours	Not Applicable	Room temperature
118.	Body Fluid / Wbc/ Rbc / Diff	-	3 ml fluid	<b>Hematology</b> 24 hours/day	8-24 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges.	Room temperature
119.	Body Fluid/ Secretion, Routine Cytology	-	Sterile Container	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room temperature
120.	Bone Biopsy	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room temperature
121.	Bone Marrow Aspiration	-	Collect in EDTA tube "Lavender Top Tube"	<b>Pathology</b> 8 am-4 pm	1-3 Working Days	Not Applicable	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
122.	Bone Marrow Aspirate And Biopsy	-	Biopsy: Buffered Formalin Aspiration: EDTA Tube Peripheral Blood Sample	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room temperature
123.	Bone Marrow Biopsy	<b>BM</b>	Bone marrow biopsy (in buffer formalin)	<b>Pathology</b> 8 am-4 pm	2-3 Days	Not Applicable	Room temperature
124.	Bone Marrow Culture And Gram Stain (Aerobic + Anaerobic+ Gram Stain)	-	Bone marrow aspirate collected in blood culture bottles. For BACTEC system: one aerobic (blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle. Send part of specimen in a sterile container for gram stain.. - Volume: > 3 mL in sterile container	<b>Microbiology</b> 24 hours	Preliminary Gram stain: 2-4 Hours Culture: 1-3 Weeks If Negative	Aerobic: No Growth after 5 days incubation  Anaerobic: No growth after 5 days incubation	Room temperature
125.	Bone Marrow Needle Core Biopsy, Including Reticulin Stain	-	Biopsy: Buffered Formalin Peripheral Blood Sample	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room Temperature
126.	<b>BRAF</b> (Immunohistoimmunochemistry)	-	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
127.	Brain Tumor	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room Temperature
128.	Breast Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
129.	Breast With Axillary Clearance (Large)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
130.	Breast, Reductive (Medium)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
131.	Breast, Simple Mastectomy (Medium)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
132.	Breast Mass With Axillary Tail	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
133.	Bronchial Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
134.	Broncho Alveolar Lavage Culture + Gram Stain	-	- Volume: > 2 mL in sterile container	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours Culture: 2-3 Days If No Pathogens	No Growth  Normal Flora	Room temperature
135.	Brucella Antibodies	-	Minimum 2-3 ml Blood Plain " Red Top Tube"	<b>Immunology</b> 8 am- 3 pm	1-3 Working Days	Negative	Room temperature
136.	Brucella Antibodies	2ME	Minimum 2-3 ml Blood Plain " Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	1-3 Working Days	Negative	Room temperature
137.	BRUCELLA Igg	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Days	Negative	Room temperature Draw sample during the first week of illness and then 3-4 weeks later.
138.	BRUCELLA Igm	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Days	Negative	Room temperature Draw sample during the first week of illness and then 3-4 weeks later.
139.	Buccal/Mouth Biopsy/Palate (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room temperature
140.	Busulfan (BSF)	BSF	Minimum 1 ml Blood Lithium Heparin (LightGreen) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	600-1025 ng/ml. Critical High:1025 ng/ml Critical Low:600 ng/ml	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
	<b>C</b>						
141.	<b>Calcium Adjusted Panel (Calcium, Albumin And Adjca)</b>	<b>AdjCa</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry 24 hours/day</b>	One Hours	Not Applicable	Room Temperature
142.	<b>C-1 Esterase Inhibitor</b>	<b>C1-INH</b>	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	1 week	Ref. Range: 19.5-34.5 mg/dl	Freeze immediately. Cyclosporin-A treatment may inhibit the enzyme.
143.	<b>Calcitonin Serum Level</b>	<b>Ctn</b>	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Days	Ref. Range: Male: less than 18.2 , Female: less than 11.5 pg/ml	Fasting sample. Draw into ice-cooled plain tube. Avoid grossly haemolysed or grossly lipemic samples. Sample must be obtained at 8 am, it must be delivered to the immunology Laboratory before 10 am.
144.	<b>Calcium, Level</b>	<b>CA</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry 24 hours/day</b>	2-8 Hours	9 - 10.5 mg/dl (0 - 18) years 8.8 - 10.2 mg/dl (18 - 99 ) Year	Not orderable test listed in calcium adjusted panel, chem-14 & chem-20 profiles.
145.	<b>Calcium Spot Urine</b>	<b>-</b>	5-10 ml Midstream Random urine	<b>Immunochemistry 24 hours/day</b>	2-8 Hours	Random Calcium/Creatinine Ratio: <0.20 mg/mg	Room Temperature



### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
146.	Calcium,24hr Urine	-	24 hours Urine collection container kept cool	Immunochemistry 24 hours/day	2-8 Hours	100-300 mg/24hr	Keep the container in a cool place (Refrigerator)
147.	Cancer Antigen 15-3,Serum Level	CA 15-3	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	≤ 34.5 U/mL	Room Temperature
148.	Cancer Antigen 125	CA 125	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	≤ 35 U/mL	Room Temperature
149.	Cancer Antigen 19-9 Serum Level	CA19-9	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	<27.0 U/ml	Room Temperature
150.	C- Anti Neutrophelic Cytoplasmic Ab	c-ANCA	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	3-5 Days	Ref. Range : Titer: less than 1:20	Room temperature
151.	C-MYC (Immunohistoimmunochemistry )	C-MYC	Paraffin Block	Pathology Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
152.	Carbamazepine (Tegretol)	CBZ	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	One Hours	Therapeutic: 4.0-12.0 mcg/mL Toxic level: > or =12.0 mcg/mL	Room Temperature
153.	Carcinoembryonic Antigen	CEA	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	Smoker: ≤ 5.5 ng/mL Non-Smoker : ≤ 3.8 ng/mL	Room Temperature

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
154.	Catecholamine, Total, 24hr	-	24hr urine collection	<b>Immunology</b> Send out test /contact the laboratory	One week	10 – 270 µg/24hr collection	On day 1, urinate into the toilet when you wake up in the morning. Collect all of your urine in a special container for the next 24 hours. On day 2, urinate into the container in the morning when you wake up. - Cap the container. Keep it in the refrigerator or a cool place during the collection period. - Label the container with your name, the date, and the time you complete the sample, and return it as instructed. Deliver the urine sample to the laboratory before 10am.

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
155.	Cbase(Ecf)/SBE	SBE	Measured test listed in Both Arterial & Venous Blood Gas + Extended Critical Care Profiles	Immunochemistry 24 hours/day	One Hours	-2 to +2 mmol/L	Not orderable test listed in Arterial blood gas plus extended critical care profile.
156.	Chemistry Profile-14	Chem-14	Minimum 3 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	See each test individually	Room Temperature
157.	Chemistry Profile-20	Chem-20	Minimum 3 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	See each test individually	Room Temperature
158.	Catheter Tip Culture	-	Catheter tip, collect in sterile container	Microbiology 8 am- 5 pm	2-3 Days If Negative	Not Applicable	Room temperature
159.	Ceruloplasmin Serum Level	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology 8 am- 3 pm	3-5 Working Days	Male: 15-30 Female: 16-45	Room temperature
160.	Cervix, Cone (Large)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room temperature
161.	Cervix, Punch, Polyp (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room temperature
162.	Cervical Swab Culture+ Gram Stain	-	Cervical swab in transport media	Microbiology 24 hours,  Recommended time : 8:00AM – 4:00 PM	2-3 Days If Negative	No Growth  No <i>Neisseria gonorrhea</i> isolated	Room temperature - Two swabs should be sent to have sufficient specimen to perform both gram stain & culture
163.	Ch50 (Complement Hemolytic Activity-50)	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	1-2 Weeks	Titer: 1:40 -1:80	Under ice
164.	CHLAMYDIA ANTIBODY IgG	CT- IgG	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
165.	CHLAMYDIA ANTIBODY IgM	CT- IgM	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
166.	Complement-3	C3	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Adult: 90-180 Child: 90-180 Less than 3 months: 60-150 4-6 months: 70-180 mg/dl	Room temperature
167.	Complement-4	C4	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Adult: 10-40 mg/dl Child: 10-40 Less than 3 months: 7 -30 4-6 months: 8- 30 mg/dl	Room temperature

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
168.	Cortisol Free 24hr Urine Collection	CORT urine	24hr urine collection	Immunology Send out test /contact the laboratory	3-5 Working Days	7-10 a.m: 6.2-19.4  4-8 p.m: 2.3-12.3 µg/24hrs	Store in refrigerator .On day 1, urinate into the toilet when you get up in the morning. Afterwards, collect all urine in a special container for the next 24 hours. On day 2, urinate into the container when you get up in the morning. Cap the container. Keep it in the refrigerator or a cool place during the collection period. Label the container with your name, the date, the time of completion, and return it as instructed. Collection of the first morning urine, which is the most concentrated, may be advised. The health care provider may advise you to

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
169.	Chloride Level	CL	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	One Hours	98.6 - 111 mmol/L(0 - 18) years 97 - 110 mmol/L (18 -99 ) Year	Room Temperature
170.	Chloride Spot Urine	-	5-10 ml Midstream Random urine	Immunochemistry 24 hours/day	2-8 Hours	32 – 290 mmol/L	Room Temperature
171.	Chloride,24hr Urine	-	24 hours Urine collection container kept cool	Immunochemistry 24 hours/day	2-8 Hours	40-224 mmol/24 hours	Keep the container in a cool place (Refrigerator)
172.	Chloride, Body Fluid	-	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	Immunochemistry 24 hours/day	2-8 Hours	Not Established See Portal (For interpretation)	Room Temperature
173.	Cholesterol ,Body Fluid	-	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	Immunochemistry 24 hours/day	2-8 Hours	Not Established See Portal (For interpretation)	Room Temperature
174.	Cholesterol Level	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	Children: See Portal Adult: Desirable: <200 mg/dL Borderline high: 200-239 mg/dL High: > or =240 mg/dL	Patient should be fasting for 12 hrs. at least. Room temperature.
175.	C-Kit (Cd117)	CD117	Block or 10% neutral buffered formalin	Pathology 8 am-4 pm	1-2 Days	Not Applicable	Room temperature
176.	CLOSTRIDIUM DIFFICILE TOXIN A/B	CDT	Fresh stool specimen in a clean container. Follow up on a previously positive antigen detection tests should be done not less than every 48 hours.	Microbiology 24 hours	2-4 Hours	Negative	Room temperature
177.	Colon + Lymph Node Dissection (Large)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
178.	Colon, Mucosal Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
179.	Colon, Right Hemicolectomy (Large)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
180.	Colon, Segment (Medium)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
181.	Cold Agglutinins Titer	-	3-5 ml Blood Plain " Red Top Tube"	<b>Blood Bank</b> 8 am- 5 pm	24 Hours	Not Applicable	Room temperature
182.	Complete Blood Count With Differential	-	EDTA blood tube "Lavender Top" fill to mark	<b>Hematology</b> 24 hours/day	2 – 4 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room temperature
183.	Concentration Prorocedur-Stool Analysi	-	Stool sample in a clean container	<b>Microbiology</b> 24 hours	12-24 Hours	No ova or parasite seen	Room temperature
184.	Conjunctival Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
185.	Consultation Bone Marrow Aspiration	-	Aspiration Slides, Peripheral Blood Sample & Report	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
186.	Consultation Bone Marrow Aspiration & Biopsy	-	Aspiration Slides , Peripheral Blood Sample Paraffin Block & Report	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room Temperature
187.	Consultation Bone Marrow Biopsy	-	PARAFFIN BLOCK, SLIDES &REPORT	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room Temperature
188.	Consultation Fine Needle Aspiration, Deep Mass, Routine	-	1-Slides 2-Blocks 3-Report	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room Temperature
189.	Consultation Fine Needle Aspiration, Superficial Mass, Routine	-	1-Slides 2-Blocks 3-Report	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room Temperature
190.	Consultation Pathology Consultation, Second Opinion (Without Markers)	-	Buffered formalin or blocks + slides+ report	<b>Pathology</b> 8 am-4 pm	2-5 Days	Not Applicable	Send physician order

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
191.	Consultation(Pathology Review)	-	1-Slides 2-Blocks 3-Report	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room Temperature
192.	Coomb's Test, Indirect	<b>ICT</b>	EDTA blood tube "Lavender Top " fill to mark or 3-5 ml Blood plain/ tube Red Top	<b>Blood Bank</b> 24 hours/day	8-24 Hours	Not Applicable	Room temperature
193.	Coomb's Test Direct	<b>DAT</b>	EDTA blood tube "Lavender Top " fill to mark	<b>Blood Bank</b> 24 hours/day	1 Hours	Not Applicable	Room temperature
194.	Copper Level	<b>CU</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Week	27 – 170 mcg/dL	Room Temperature
195.	Copper Test 24hr Ur	-	24 hours Urine collection container kept cool	<b>Immunochemistry</b> 24 hours/day	One Week	0 – 60 mcg/24hr	Keep the container in a cool place (Refrigerator). It must be delivered to the section before 10 am
196.	Coproporphyrin,24hr	-	24 hours Urine collection container kept cool	<b>Immunochemistry</b> 24 hours/day	One Week	Not Established	Keep the container in a cool place (Refrigerator). • It must be delivered to the section before 10 am
197.	Cortisol Total Study-T-120	<b>CORT</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 8 am-11 am	2-8 Hours	Study test - Not Established mcg/dL	Room Temperature
198.	Cortisol Total Study-T-30	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 8 am-11 am	2-8 Hours	Study test - Not Established mcg/dL	Room Temperature
199.	Cortisol Total Study-T-90	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 8 am-11 am	2-8 Hours	Study test - Not Established mcg/dL	Room Temperature



### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
200.	Cortisol Total Study-T-Zero	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 8 am-11 am	2-8 Hours	Study test - Not Established mcg/dL	Room Temperature
201.	Cortisol(AM)	CORT AM	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 8 am-11 am	2-8 Hours	Morning hours 6-10 a.m.: 6.02-18.4 mcg/dL	Room Temperature
202.	Cortisol(PM)	CORT PM	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 8 am-11 am	2-8 Hours	Afternoon hours 4-8 p.m.: 2.68-10.5 mcg/dL	Room Temperature
203.	Cortisol total Study-T-60	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 8 am-11 am	2-8 Hours	Study test - Not Established mcg/dL	Room Temperature
204.	C-Reactive Protein	CRP	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	< or =8.0 mg/L	Room Temperature
205.	Creatine Kinase Total	CK	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	One Hours	Males :39-308 U/L Females: 26-192 U/L	Keep the container in a cool place (Refrigerator)
206.	Cortisol Tot Insulin Ind Hypogly Study ,T 90	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunochemistry 8 am- 3 pm	1-3 Working Days	Not Applicable	Immediate delivery
207.	Cortisol Tot Insulin Ind Hypogly Study ,T 120	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunochemistry 8 am- 3 pm	1-3 Working Days	Not Applicable	Immediate delivery
208.	Coxsackie A Igg Serum Level	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	3-5 Days	Negative	Room temperature Serum should be collected at onset of disease and then 2-4 wks later to determine acute and convalescent titres.

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
209.	C-Peptide , Serum Level	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	1.1-4.40	Under ice Patient should be fasting. Sample must be obtained at 8 am, it must be delivered to the Immunology Laboratory before 10 am
210.	Creatinine 24hr Ur	Cr	24 hours Urine collection container kept cool	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Males: 955-2936 mg/24 hours Females: 601-1689 mg/24 hours	Room Temperature
211.	Creatinine Body Fluid	-	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	80 - 150 mg/dl See portal	Room Temperature
212.	Creatinine Clearance Urine	-	24 hours Urine collection container kept cool	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	77-160 mL/min	Keep the container in a cool place (Refrigerator)
213.	Creatinine Level	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	0.22 - 0.9 mg/dL (0 - 18) years 0.5 - 1.12 mg/dL (18 -99 ) Year	Room Temperature
214.	Creatinine Spot Urine	-	5-10 ml Midstream Random urine	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Male: 20-320 mg/dL Female: 20-275 mg/dL	Room Temperature
215.	Cross Match Blood	-	Two blood group EDTA tubes if no blood group result on LIS  EDTA blood tube "lavender top" >2 ml	<b>Blood Bank</b>  24 hours/day	<b>2 Hour</b>	Not Applicable	<b>Room temperature</b>
216.	Cryoprecipitate/Unit	Cryo	Call Blood Bank Extension. 1710		2 Hours	Not Applicable	Call Blood Bank

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
217.	<b>Cryptococcus Antigen , CSF/Serum</b>	<b>CRAG</b>	1ml CSF or 5 ml whole blood "plain tube" without gel.	<b>Microbiology</b> 24 hours/day	4-8 Hours	Negative	- Keep CSF specimen at Room temperature  - Request Fungal culture - CSF if Cryptococcus Antigen test is positive
218.	<b>Cryptosporidium Parvum, Stool</b>	<b>C. parvum</b>	Fresh stool specimen in a clean container. Follow up on a previously positive antigen detection tests should be done not less than every 48 hours.	<b>Microbiology</b> 24 hours/day	2-4 Hours	Negative	Room temperature
219.	<b>CSF Analysis, Chemistry</b>	-	Minimum 0.5 ml CSF in Falcon tube	<b>Immunochemistry</b> 24 hours/day	One Hours	See each test individually	Room Temperature
220.	<b>CSF Analysis, Hematology</b>	-	1-2 ml CSF in Falcon tube	<b>Hematology</b> 24hr/7 Days	Up To 2hrs	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room temperature
221.	<b>Cto2</b>	-	Measured test listed in Arterial Blood Gas + Extended Critical Care Profile	<b>Immunochemistry</b> 24 hours/day	One Hours	NA	Not orderable test listed in Arterial blood gas plus extended critical care profile.
222.	<b>CSF Culture + Gram Stain</b>	-	CSF collected in a sterile container If only one tube of fluid is available, it should be given to the microbiology laboratory. If more than one tube (1-ml each) is available, the second or third tube should go to the microbiology laboratory. Or use blood culture bottles (BACTEC or Versa TREK), send part of specimen in a sterile container for gram stain.	<b>Microbiology</b> 24 hours/day	Preliminary Gram stain: 1-2 Hours Culture: 3-5 Days If Negative	Aerobic: No Growth after 5 days incubation  Anaerobic: No growth after 5 days incubation	Room temperature. Transport immediately - Tube# 2 for Microbiology

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
223.	CSF Latex Agglutination	-	1 ml CSF in a sterile container	Microbiology 24 hours/day	2-4 Hours	<i>- H. influenzae:</i> Negative <i>- STRP. B:</i> Negative <i>- S. pneumonia:</i> Negative <i>- N. meningitidis:</i> Negative <i>- E.coli:</i> Negative	Room temperature - CSF culture must be requested with this test, because our Policy state that CSF culture performed in conjunction with bacterial antigen tests.
224.	Culture For Brucella	-	Blood / Bone Marrow. For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle.	Microbiology 24 hours	21 Days If Negative  Preliminary Result, Gram Stain When Positive (Within 1 Hr. Of Detection)	- Negative culture for Brucella, or - No growth after 21 days incubation	Use blood culture bottles. Room temperature
225.	Cyclosporine Level	-	Whole Blood EDTA tube "Lavender Top" fill to mark	Immunochemistry 24 hours/day	1-3 Hours	Therapeutic range 12hrs after dose: 100.0 - 400.0 ng/mL , Toxic value: > 400.0 ng/mL, Critical value: less than 85.0 ng/mL , High : ≥375.0 ng/mL	Room Temperature
226.	Cyclosporine Peak Level	-	Whole Blood EDTA tube "Lavender Top" fill to mark	Immunochemistry 24 hours/day	1-3 Hours	2-hour post dose cyclosporine ranges are only suggested guidelines: Renal transplant: 800-1700 ng/mL Liver transplant: 600-1000 ng/mL	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
227.	<b>Cyfra 21-1 (Cytokeratin 19 Fragment)</b>	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry 24 hours/day</b>	2-8 Hours	Less than 2.37 ng/mL	Room Temperature
228.	<b>Cystine Qualitative Urine</b>	-	5-10 ml Midstream Random urine	<b>Immunochemistry 8 am-10 am</b>	One Week	Not Established	Keep the container in a cool place (Refrigerator). It must be delivered to the section before 10 am
229.	<b>Cytomegalovirus Ab IgG</b>	<b>CMV, IgG</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry 24 hours/day</b>	2-8 Hours	<0.50 U/mL Negative for CMV IgG-specific antibodies ≥ 0.5 to < 1.0 U/mL Gray zone ≥ 1.0 U/mL Positive for CMV IgG-specific antibodies	Room Temperature
230.	<b>Cytomegalovirus Ab IgM</b>	<b>CMV, IgM</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry 24 hours/day</b>	2-8 Hours	< 0.7 COI Negative for CMV IgM ≥ 0.7 to < 1.0 Gray zone ≥ 1.0 COI Positive for CMV IgM	Room Temperature
231.	<b>Cytology - PAP Smear</b>	<b>PAP</b>	Cervical / Vaginal	<b>Pathology 8 am-4 pm</b>	1-3 Working Days	Not Applicable	Room temperature. Circular scrap of cervical or is placed on a glass slide & immediately fixed in 96% Ethanol. Smear should be collected near the middle of the menstrual cycle

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
232.	Cyst Aspirate, Routine	-	Sterile Container	Pathology Sunday-Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
233.	Cytology Specimen	-	Sterile Container	Pathology Sunday-Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
234.	Cytology-PAP Smear	PAP	1-Slide 2-Surpath Container	Pathology Sunday-Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
<h1>D</h1>							
235.	D-Dimer Level ,Plasma	D-DIM	2.7 ml citrate blood "Blue Top" fill to mark	Hematology 24 hours/day	2-4 Hours	-Less than 0.5 ug/ml-FEU -Cutoff 0.5 <0.50	Room temperature
236.	Dehydroepiandrosterone Sulphate Serum (DHEA-S)	DHEA-S	Minimum 2 ml Any sample type	Immunology Send out test /contact the laboratory	3-5 Working Days	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Under ice Sample must be obtained at 8 am, it must be delivered to the Immunology Laboratory before 10 am
237.	Digoxin	DGX	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	One Hours	Therapeutic range : 0.8 – 2.0 ng/mL Toxic Level : >2.0 ng/mL	Room Temperature
238.	Disc Material,Intervetebral (Small)	-	Buffered Formalin B	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
239.	<b>Duodenal Biopsy (Small)</b>	-	Buffered Formalin	<b>Pathology</b> <b>Sunday-Thursday</b> <b>8:00am – 4:00pm</b>	2-4 Days	Not Applicable	Room Temperature
240.	<b>Drug Screening In Urine</b>	-	Spot Urine	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
<b>E</b>							
241.	<b>Ear Swab/Discharge Culture</b>	-	Sterile tube with screw-cap; Or Swab with transport media x2 (one for Culture the other for Gram stain)  Ear Swab specimen in a transport media for diagnosis of otitis external or tympanocentesis fluid (middle ear fluid) specimen for the diagnosis of otitis media	<b>Microbiology</b> 24 hours	Swab: 2-3 Days If Negative  Discharge: 5 days	- No growth  - Skin Normal Flora	Room temperature
	<b>Ear/ Aural Biopsy (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
242.	<b>Echinococcus Antibodies</b>	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
243.	<b>E.Coli 0157:H7, Stool Culture</b>	<b>E.COLI</b>	Fresh stool sample, collect in sterile container	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	3-5 Days If No Pathogens	Negative Culture for E.COLI 0157	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
244.	Estimating Glomerular Filtration Rate	eGFR	Calculated Test combined with Creatinine test	Immunochemistry 24 hours/day	2-8 Hours		Not Orderable, listed in Chem-14 and chem-20. Valid for >18 years old.
245.	Electrolytes Serum Level	-	3-5 ml Blood plain / Tube Red Top	Immunochemistry 24 hours/day	2-8 Hours	Not Applicable	Room temperature
246.	Endo Predict	-	Paraffin Block	Pathology Sunday- Thursday 8:00am – 4:00pm	14 Days	Not Applicable	Room Temperature
247.	Endometrial Ablation (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
248.	Endometrial Biopsy/Polyp (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
249.	Endotrachealtube (ETT) Culture	-	Endotracheal tube, collect in sterile container	Microbiology 24 hours,  Recommended time : 8:00AM – 4:00 PM	2-3 Days If Negative	No growth	Room temperature
250.	Eosinophil Count, Sputum	-	sputum	Hematology 8 am- 3 pm	24hr/7day	Not Applicable	Room temperature
251.	Epididymal Cyst/<5cm Mass (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
252.	Epiglottis Biopsy (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
253.	Epstein-Barr Virus Igg	EBV IgG	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Only Tuesdays	One Week	Immune: Positive	Room temperature



### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
254.	<b>EBER Probe (Epstein-Barr Virus Early RNA) , By In Situ Hybridization (ISH)</b>	<b>ISH</b>	<b>Paraffin Block</b>	<b>Pathology</b> <b>Sunday-Thursday</b> <b>8:00am – 4:00pm</b>	<b>3-5 Days</b>	Not Applicable	Room Temperature
255.	<b>Epstein-Barr Virus IgM</b>	<b>EBV IgM</b>	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Only Tuesdays	One Week	Negative	Room temperature
256.	<b>Erythrocyte Sedimentation Rate</b>	<b>ESR</b>	EDTA blood tube "Lavender Top" fill to mark	<b>Hematology</b> 24 hours/day	2 – 4 Hours	Male: 0-15 mm/1hr Female :0-20 mm/1hr	Room temperature
257.	<b>Erythropoietin</b>	<b>EPO</b>	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Days	2.59-18.50	Room temperature
258.	<b>Esophageal Biopsy (Small)</b>	<b>-</b>	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
259.	<b>Estrogen Receptor</b>	<b>E</b>	Block or in 10% neutral buffered formalin	<b>Pathology</b> 8 am-4 pm	2-3 Days	Not Applicable	Room temperature
260.	<b>Extractable Nuclear Antigen</b>	<b>ENA</b>	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
261.	<b>Extremity, Amputation (Large)</b>	<b>-</b>	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
262.	<b>Eye Swab/Discharge Culture + Gram Stain</b>	<b>-</b>	Sterile tube with screw-cap; Or Swab with transport media x2 (one for Culture the other for Gram stain)  Conjunctival scraping / corneal scraping, Conjunctival Swab, eye swab in transport medina. small ocular tissue placed in sterile container with sterile saline	<b>Microbiology</b>  Swabs :2-3 Days If  Negative	Swabs :2-3 Days If  Negative10 Days For Scrapping	No growth	Room temperature - Two swabs should be sent to have sufficient Specimen to perform both gram stain & culture.

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
263.	<b>Eyeball Enucleation (Large)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
264.	<b>Eyelid Biopsy (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
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265.	<b>Factor II Assay</b>	<b>F-II</b>	Citrated blood "Blue Top"" fill to mark	<b>Hematology</b> Send out test 8 am- 3 pm	7 Days	Not Applicable	Call laboratory Extension 1743 before blood withdrawal. Patients with indwelling lines, proper flushing of the line must be done before specimen collection.
266.	<b>Factor IX Assay</b>	<b>F- IX</b>	Citrated blood "Blue Top"" fill to mark	<b>Hematology</b> Send out test 8 am- 3 pm	7 Days	Not Applicable	Call laboratory Extension 1743 before blood withdrawal. Patients with indwelling lines, proper flushing of the line must be done before specimen collection

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
267.	Factor V Assay	F- V	Citrated blood "Blue Top"" fill to mark	<b>Hematology</b> Send out test 8 am- 3 pm	7 Days	Not Applicable	Call laboratory Extension 1743 before blood withdrawal. Patients with indwelling lines, proper flushing of the line must be done before specimen collection
268.	Factor VIII Assay	F-VIII	Citrated blood "Blue Top"" fill to mark	<b>Hematology</b> Send out test 8 am- 3 pm	7 Days	Not Applicable	Call laboratory Extension 1743 before blood withdrawal. Patients with indwelling lines, proper flushing of the line must be done before specimen collection
269.	Factor VIII Assay C	-	Citrated blood "Blue Top"" fill to mark	<b>Hematology</b> Send out test 8 am- 3 pm	7 Days	Not Applicable	Call laboratory Extension 1743 before blood withdrawal. Patients with indwelling lines, proper flushing of the line must be done before specimen collection
270.	Fallopian Tube, Contraceptive (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
271.	Fallopian Tube, Ectopic (Medium)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
272.	Ferric Chloride ,Urine	FeCl3	5-10 ml Midstream Random urine	<b>Immunochemistry</b> 24 hours/day	One Hours	Not Established	Room Temperature
273.	Ferritin Level	FER	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
274.	Fecal Calprotectin (FCAL)	FCAL	Fresh stool sample in a clean container	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Normal : < 80 µg/g Gray-zone follow-up within 4-6 weeks: 80-160 µg/g Elevated: > 160 µg/g	Room Temperature
275.	Fecal Immunochemical Test	FIT	Fresh stool sample in a clean container	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Up To ng/mL	Room Temperature
276.	Fibrinogen, Plasma Level	Fgn	Citrated blood "Blue Top"" fill to mark	<b>Hematology</b> 24 hours/day	4-8 Hours	187 – 394 mg /dl	Room temperature. Patients with indwelling lines, proper flushing of the line must be done before specimen collection"
277.	Flc Kappa	FLC (κ)	Minimum 1 ml Blood Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	2.37-20.73 mg/L	Not orderable test listed in FREE LIGHT CHAIN KAPPA, LAMBDA & RATIO.
278.	Flc Lambda	FLC λ	Minimum 1 ml Blood Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	4.23-27.69 mg/L	Not orderable test listed in FREE LIGHT CHAIN KAPPA, LAMBDA & RATIO.

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
279.	<b>FLOW CYTOMETRY/MARKER-HEMEPATH</b> (Leukemia/Lymphoma /MRD Immunophenotyping)	-	<p>The specimens in flow include the below:</p> <ul style="list-style-type: none"> <li>• <b>Peripheral blood (PB)</b>: EDTA, lithium heparin, and acid citrate dextrose (ACD).</li> <li>• <b>Bone marrow (BM)</b>: EDTA, lithium heparin, and acid citrate dextrose (ACD).</li> <li>• <b>Body fluids</b> (pleural fluid, ascitic fluid, pericardial fluid vitreous fluid and cerebrospinal fluid): Fluids shall be collected as per standard medical practice. For CSF, special precautions should be taken, it should be processed within an hour or two. If delay in the processing is anticipated, CSF should be collected in RPMI media with bovine serum (contact lab).</li> <li>• <b>Fine needle aspirates (FNA)</b> from lymph nodes (LN) and other lesions: Transported in RPMI media to the laboratory (contact lab for the RPMI media).</li> <li>• <b>Fresh tissue samples</b>: Transported in RPMI media or sterile saline-soaked gauze at removal, and kept moist throughout transport to the laboratory (contact lab for the RPMI media).</li> </ul>	<b>Hematopathology– Flow cytometry Sunday to Thursday: 8:00 am-4:00 pm Otherwise: Contact the Lab.</b>	2 working days Note: New leukemia cases are reported verbally within 2-4 hours.	Not applicable – Hematopathologists interpret the results based on the case and sample type.	<p>-Fresh blood and bone marrow up to 48 hrs. at room temperature.</p> <p>-Collect tissue / FNA in RPMI media and send immediately</p>
280.	<b>Fibroid &lt;5cm (Medium)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
281.	<b>Fibroid &gt;10cm (Medium)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
282.	<b>Fibroid 5-10 Cm (Medium)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
283.	<b>Filtered, Irradiated Single Donor Platelet</b>	-	2 blood grouping EDTA tubes if first time recipient	<b>Blood Bank 24 Hours/7 Days</b>	1 Hour	Not Applicable	Room Temperature
284.	<b>Fistula Swab Culture</b>	-	Fistula swab in transport media	<b>Microbiology</b> 8 am- 5 pm	2-3 Days If Negative	Not Applicable	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
285.	Folate Level	FolA	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	3.89-26.8 ng/ml	Room Temperature
286.	Follicle Stimulating Hormone	FSH	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	State day of menstrual cycle. Steroid therapy may influence result.
287.	Food Allergy Screen	sIgE	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
288.	Foundation One	-	Paraffin Block	Pathology Sunday- Thursday 8:00am – 4:00pm	14 Days	Not Applicable	Room Temperature
289.	Fraction Of Fetal Hemoglobin	HbF	Minimum 0.5 ml HEPARINIZED SYRINGE	Immunochemistry 24 hours/day	2-8 Hours	Adult:Less Than 1.0%	Room Temperature
290.	Free Light Chain Kappa, Lambda & Ratio	-	Minimum 1 ml Blood Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	See each test individually	Room Temperature
291.	Free Prostatic Specific Antigen	PSA	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	Free PSA : 0.008 – 0.72 ng/mL ; Free/Total Ratio: > 0.18 ng/mL	Room Temperature
292.	Free T3 , Level	T3	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	2.0-4.4 pg/mL	Room Temperature
293.	Free T4 , Level	T4	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	0.93-1.7 ng/dL	Room Temperature
294.	Free Testosterone , Serum Level	FRTST	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology Send out test /contact the laboratory	3-5 Working Days	Male:4.25-30.40 Female :0.04-4.20	Room temperature
295.	Fresh Frozen Plasma /Unit	FFP	Call Blood Bank Extension. 1710	Blood Bank	2 Hours	Not Applicable	Call Blood Bank

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
296.	Froom Temperature Cytology	-	1-Sterile Container 2-SLIDE 3-SURPATH CONTAINER	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
297.	Froom Temperature, Deep Mass, Routine	-	1-Sterile Container 2-SLIDE 3-SURPATH CONTAINER	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
298.	Frozen Section - Additional Blocks (Test 316)	-	Fresh Sample	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	20-30 Minutes	Not Applicable	Room Temperature
299.	Frozen Section For First Block (Test 315)	-	Fresh Sample	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	20-30 Minutes	Not Applicable	Room Temperature
300.	Froom Temperature ,Superficial Mass, Routine	-	1-Sterile Container 2-SLIDE 3-SURPATH CONTAINER	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
301.	Full RBCs Phenotype	-	EDTA blood tube “lavender top” >2 ml	<b>Blood Bank</b> 8 am – 5 pm	24 – 72 Hours	Not Applicable	Room temperature

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
302.	Fungal Culture+KOH	-	<b>Tissue, biopsy, skin,</b> Tissue should be submitted in 2 to 3 mL sterile saline Hair: 10-12 hair at attached bases without normal saline. Skin scraping: very little amount in the bottom of the sterile cup without saline.	<b>Microbiology</b> 24 hours, Recommended time : 8:00AM – 4:00 PM	Preliminary KOH: 2-4 Hours  Culture: 3-5 Weeks If Negative	- KOH: No Fungal element Seen  - Fungal Culture: Negative Culture For Fungus. Or  No growth after four weeks of incubation	Room Temperature
303.	Fungal Culture+KOH	-	<b>Blood</b>  Volume: 5-10 ml each  Container:  Blood culture bottles: For BACTEC system: one aerobic (Blue top) blood culture bottle and one anaerobic (orange top) blood culture bottle. For Versa TREK system: Adult and pediatric patients: one aerobic (purple top) blood culture bottle and one anaerobic (red top) blood culture bottle	<b>Microbiology</b> 24 hours, Recommended time; 8:00AM – 4:00 PM	Preliminary KOH: 2-4 Hours  Fungal Culture- Blood:  14 day in BCS, If Negative	- KOH: No Fungal element Seen  - Fungal Culture- Blood: Negative Culture For Fungus. Or  No growth after 14 days of incubation	Room Temperature



### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
304.	Fungal Culture+KOH	-	<b>Sterile Body fluids except CSF:</b> 5-10 mL as much fluid as possible CSF: > 2 mL in sterile screw cap container	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary KOH: 2-4 Hours  Culture: 3-5 Weeks If Negative	- KOH: No Fungal element Seen  - Fungal Culture:  Negative Culture For Fungus. Or  No growth after four weeks of incubation	Room Temperature
305.	Fungal Culture+KOH	-	<b>Bone marrow:</b> 5- 10 mL sterile screw cap container or in Blood culture bottles BACTEC system Or 5 Heparin tubes (green tip)	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary KOH: 2-4 Hours  Culture: 3-5 Weeks If Negative	- KOH: No Fungal element Seen  - Fungal Culture:  Negative Culture For Fungus. Or  No growth after four weeks of incubation	Room Temperature
306.	Fungal Culture+KOH	-	<b>Lower respiratory tract (TRAP/Sputum/BAL) :</b> ≥ 3 mL 5-10 mL is recommended	<b>Microbiology</b> 8 am- 5 pm	Preliminary KOH: 2-4 Hours  Culture: 3-5 Weeks If Negative	- KOH: No Fungal element Seen  - Fungal Culture:  Negative Culture For Fungus. Or  No growth after four weeks of incubation	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
307.	<b>Fungal Culture+KOH</b>	-	<b>Urine:</b>  5-10 mL in sterile container  ≥ 15 ml is recommended	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary KOH: 2-4 Hours  Culture: 3-5 Weeks If Negative	- KOH: No Fungal element Seen  - Fungal Culture:  Negative Culture For Fungus. Or  No growth after four weeks of incubation	Room Temperature
308.	<b>Fungal Isolates For ID And Sensitivity</b>	-	Isolated organism on culture media- sealed and BIOHAZARD labeled	<b>Microbiology</b> 8 am- 4 pm	4-6 Weeks: Filaments Fungi Isolates  5-7 Days Yeasts Isolates	No growth after four weeks of incubation	Room Temperature
309.	<b>Fungal Smear By KOH</b>	-	(Refer to Fungal culture)	<b>Microbiology</b> 8 am- 5 pm	2-4 Hours	Not Applicable	Room temperature
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310.	<b>Galactomannan</b>	<b>GM</b>	<ul style="list-style-type: none"> <li>Minimum 2-3 ml Blood " Plain Red Top Tube"</li> <li>Minimum 3 ml BAL</li> </ul>	<b>Immunology</b> Monday	1 week	Negative	Freeze immediately upon arrival
311.	<b>Gall Bladder (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
312.	<b>Gamma-Glutamyl Transferase (GGT)</b>	<b>GGT</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
313.	<b>Gastrectomy, Partial (Large)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
314.	Gastrectomy, Total (Large)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
315.	Gastric Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
316.	Gastrin Serum Level	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Days	13-115 pg/ml	Under ice Patient should be fasting 12hrs. Sample must be obtained at 8 am, it must be delivered to the Immunology Laboratory before 10 am
317.	Genital Swab Culture	-	Genital swab in transport media	<b>Microbiology</b> 8 am- 5 pm	3 Days If No Pathogens	Not Applicable	Room temperature
318.	Gentamicin Concentration Random	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> 24 hours/day	1-2 Days	N/A	Room temperature
319.	Gentamicin Concentration, Peak	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> 24 hours/day	1-2 Days	Peak Level : 5-10	Room temperature
320.	Gentamicin Concentration, Trough	-	Minimum 2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> 24 hours/day	1-2 Days	Trough Level : UP To 2	Room temperature
321.	Glucose CSF	<b>Glu- CSF</b>	Measured test listed in CSF ANALYSIS, CHEMISTRY panel	<b>Immunochemistry</b> 24 hours/day	One Hours	Children : 60 - 80 mg/ dL Adults : 40 - 70 mg/ dL	Room Temperature
322.	Glucose In Urine	<b>U-Glu</b>	5-10 ml Midstream Random urine	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	<15.0 mg/ dL	Room Temperature
323.	Glucose ,Body Fluids	<b>Glu – BF</b>	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	See Portal (For interpretation)	Room Temperature
324.	Glucose	<b>Glu</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Fasting: <110, Random: > or =1 year: 70-140 mg/dL, Diabetic: > 200 critical value: low <40 high >400	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
325.	Glucose Tolerance Test 2 HR	GTT	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	Impaired > or =200 mg/dL critical value: low <40 high >400	Room Temperature
326.	Glucose Tolerance Test Fasting	GTT	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	Normal: Less than 110 mg/dL Impaired : > or =126 mg/dL after an 8-hour fast critical value: low <40 high >400	Room Temperature
327.	Glucose-6-Phosphate Dehydrogenase	G6PD	Whole Blood EDTA blood tube "Lavender Top" fill to mark	Immunochemistry 24 hours/day	2-8 Hours	7.9 – 16.3 U/gm.Hb	Room Temperature
328.	Glycohemoglobin (Hba1c)	HBA1C	2 ml or 4.5 ml EDTA blood tube "Lavender top" fill to mark	Hematology Working days only	8-24 Hours	Normal patient: (< 5.7 %)  Pre-diabetic⊗5.7-6.4)%  Diabetic patient: (> 6.5%)	Room temperature
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329.	Haptoglobulin	Hp	Minimum 1 ml Blood Lithium Heparin (LightGreen) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	30.0-200.0 mg/dL	Room Temperature
330.	Hb-Electrophoresis	-	1 ml Blood EDTA (purple tube)	Hematology 24 hours/day	7 Working Days	Not Applicable	Room temperature
331.	HDL Cholesterol	HDL	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	Children: See portal. Males: > or =40 mg/dL Females: > or =50 mg/dL	Not orderable test listed in Lipid profile should be fasting 12 hrs.at least.

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
332.	<b>Helicobacter Pylori Antibody IgA</b>	<b>H.pylori Ab- IgA</b>	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
333.	<b>Helicobacter Pylori Antibody IgG</b>	<b>H.pylori Ab- IgG</b>	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
334.	<b>Hemosiderin, Spot Urine</b>	-	Random urine sample	Not in hematology	NA	NA	NA
335.	<b>Hepatitis-A Virus Antibody, IgM</b>	<b>HAV</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	<0.80 COI Negative for HAV IgM specific antibodies ≥ 0.8 to < 1.2 COI Gray zone ≥ 1.20 COI Positive for HAV IgM specific antibodies	Room Temperature
336.	<b>Hepatitis-B Core Ab IgM</b>	<b>HbcAb</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	<0.80 COI Negative for anti-HBc IgM ≥ 0.8 to < 1.2 COI Gray zone ≥ 1.20 COI Positive for anti-HBc IgM	Room Temperature
337.	<b>Hepatitis-B Core Ab Total</b>	<b>HbcAb</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	≥1.20 COI Negative for anti-HBc ≥ 0.8 to < 1.2 COI Gray zone < 0.80 COI Positive for anti-HBc	Room Temperature
338.	<b>Hepatitis-B E Ab</b>	<b>HbeAb</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	≥1.20 COI Negative for anti-Hbe ≥ 0.8 to < 1.2 COI Gray zone < 0.80 COI Positive for anti-Hbe	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
339.	Hepatitis-B E Antigen	HbeAg	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	<0.80 COI Negative for HbeAg ≥ 0.8 to < 1.2 COI Gray zone ≥ 1.20 COI Positive for HbeAg	Room Temperature
340.	Hepatitis-B Surface Ab	HbsAb	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	< 10 IU/L Negative for anti-HBs ≥ 10 IU/L Positive for anti-HBs	Room Temperature
341.	Hepatitis-B Surface Antigen	HbsAg	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	<0.80 COI Negative for HbsAg ≥ 0.8 to < 1.2 COI Gray zone ≥ 1.20 COI Positive for HbsAg	Room Temperature
342.	Hepatitis B Core Antibody , Total	HbcAb	Minimum 2-3 ml Blood “ Plain Red Top Tube”	Immunochemistry 8 am- 3 pm	1-3 Working Days	Not Applicable	Room temperature
343.	Hepatitis-C Virus Ab	HCV	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	<0.80 COI Negative for anti-HCV ≥ 0.8 to < 1.2 COI Gray zone ≥ 1.20 COI Positive for anti-HCV	Room Temperature
344.	Her-2/NEU	HER-2	Block or 10% neutral buffered formalin	Pathology 8 am-4 pm	1-3 Working Days	Not Applicable	Room temperature
345.	Hernial Sac (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
346.	HERPES SIMPLEX VIRUS I ANTIBODY , IgM	HSV	Minimum 2-3 ml Blood “ Plain Red Top Tube”	Immunology 8 am- 3 pm	One Week	Negative	Room temperature
347.	HERPES SIMPLEX VIRUS I ANTIBODY , IgG	HSV	Minimum 2-3 ml Blood “ Plain Red Top Tube”	Immunology 8 am- 3 pm	One Week	Immune:Positive	Room temperature
348.	Homocysteine , Cardiac Risk	Hcys	Minimum 2-3 ml Blood “ Plain Red Top Tube”	Immunology Send out test /contact the laboratory	3-5 Working Days	Male: 5.9-16 Female: 3.4-20.4	Immediate on ice Fasting specimen.
349.	HERPES SIMPLEX VIRUS II ANTIBODY , IgG	HSV	Minimum 2-3 ml Blood “ Plain Red Top Tube”	Immunochemistry 8 am- 3 pm	One Week	Immune:Positive	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
350.	<b>HERPES SIMPLEX VIRUS II ANTIBODY , IgM</b>	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunochemistry</b> 8 am- 3 pm	One Week	Negative	Room temperature
351.	<b>Hickman Site Swab Culture</b>	-	Hickman site swab in transport media	<b>Microbiology</b> 24 hours	2-3 Days If Negative	No growth	Room temperature
352.	<b>High Vaginal Swab (H.V.S) Culture+ Gram Stain</b>	<b>H.V.S</b>	H.V.S swab in transport media	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	3 Days If No Pathogens	Normal Flora, Or  No growth	Room temperature - Two swabs should be sent to have sufficient specimen to perform both gram stain & culture
353.	<b>Human Epididymis Protein 4</b>	<b>HE4</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	< or =140 pmol/L	Room Temperature
354.	<b>Human Growth Hormone Random</b>	<b>HGH</b>	Minimum 1 ml Blood Lithium Heparin (LightGreen) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Girls 0-10 years: 0.120 - 7.79 Girls 11-17 years : 0.123 - 8.05 Women 21-77 years : 0.126 - 9.88 Boys 0-10 years: 0.094 - 6.29 Boys 11-17 years : 0.077 - 10.8 Men 20-79 years : <= 2.47	Room Temperature Patient should be fasting for 8 hrs. at least. Room temperature. It must be delivered to the section before 11 am.
355.	<b>Human Immunodeficiency Virus Antibody</b>	<b>HIV</b>	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunochemistry</b> 8am-3pm	1-3 Working Days	Not Applicable	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
356.	Human Immunodeficiency Virus Ag & Ab I/I	HIV	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	<0.80 COI Negative for HIV-1 Ag and negative for anti-HIV-1/2 antibodies. ≥ 0.8 to < 1.2 COI Gray zone ≥ 1.20 COI Positive for HIV-1 Ag and/or for anti-HIV-1/2 antibodies.	Room Temperature
357.	Human Papilloma Virus (HPV)	HPV	Pap smear	Pathology 8 am-3 pm	2-4 Working Days	Not Applicable	Keep at room temperature
358.			Cervical brush in liquid				
359.			Paraffin embedded cervical tissue				
360.	Hysterectomy Neoplastic(Large)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
361.	Hysterectomy Non-Neoplastic (Medium)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
362.	Hysterectomy(Uterus) Simple (Medium)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
I							
363.	IgG Sub Classes	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	Immunochemistry 8 am- 9 am	3-5 Days	Not Applicable	Call laboratory ext. 1345 before blood withdrawal
364.	Ileal Biopsy (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
365.	Immunofixation Serum	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	Immunology 8 am- 3 pm	1-2 Weeks	No Monoclonal Band Seen	Room temperature



### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
366.	<b>Immunofixation 24hr Urine Collection</b>	-	24 hours urine collection	<b>Immunology</b> 8 am- 3 pm	1-2 Weeks	Monoclonal Band Seen	Store in refrigerator Sample must be delivered to the Immunology Laboratory before 10 am.
367.	<b>Immunoglobulin A</b>	<b>IgA</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
368.	<b>Immunoglobulin D</b>	<b>IgD</b>	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunochemistry</b> 8 am-9 am	3-5 Days	Not Applicable	Call laboratory ext. 1345 before blood withdrawal
369.	<b>Immunoglobulin E</b>	<b>IgE</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
370.	<b>Immunoglobulin G</b>	<b>IgG</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
371.	<b>Immunoglobulin M</b>	<b>IgM</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
372.	<b>Immunohistoimmunochemistry Special 1</b>	-	Block or 10% neutral buffered formalin	<b>Pathology</b> 8 am-4 pm	1-3 Working Days	Not Applicable	Room temperature
373.	<b>Immunohistoimmunochemistry Special 2</b>	-	Block or 10% neutral buffered formalin	<b>Pathology</b> 8 am-4 pm	1-3 Working Days	Not Applicable	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
374.	<b>Immunohistoimmunochemistry Routine For Each Ab</b>	-	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
375.	<b>India Ink (Cryptococcus)</b>	-	CSF, tissue, body fluid, pus, sputum, Broncho alveolar lavage ,TRAP suspected to have Cryptococcus spp. Collect in sterile container	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	4-8 hours	No encapsulated yeast cells seen	Room temperature
376.	<b>Inhalant Allergy Panel-Ige</b>	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
377.	<b>Inhibin A &amp; B</b>	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Under ice. Sample must be collected on 3 <sup>rd</sup> day of cycle.
378.	<b>Insulin-Like Growth Factor 1(Igf-1)</b>	<b>IGF-1</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>8 am-11 am</b>	2-8 Hours	See portal.	Patient should be fasting 8 hrs.at least. Keep on ice
379.	<b>Insulin-Like Growth Factor Binding Protein 3 (IGFBP-3)</b>	<b>IGFBP-3</b>	Minimum 1 ml Blood Lithium Heparin (LightGreen) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>8am-11 am</b>	2-8 Hours	See portal.	Patient should be fasting 8 hrs. at least. Keep on ice
380.	<b>Insulin Assay. Serum</b>	<b>INSL</b>	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	8-24 Hours	random: 2.6-24.9 , Fasting : 2.6-10.0	Under ice 12 Hrs. fasting required. Sample must be collected at 8 am and sent to the Immunology Laboratory before 10 am.

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
381.	Interleukin-6 (IL-6)	IL-6	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	One Hours	< or =7.0 pg/mL	Room Temperature
382.	Intestine, Small, Segment (Medium)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room Temperature
383.	Iron Level	Fe	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
384.	Iron Study (Total Iron-Binding Capacity (TIBC), Iron, & Transferrin Saturation (TSAT))	TIBC TSAT	3-5 ml Blood plain / Tube Red Top	Immunochemistry 24 hours/day	8-24 Hours	Not Applicable	Room temperature
385.	Iron Study Contains (Total Iron-Binding Capacity (TIBC), Iron, UIBC & Transferrin Saturation (TSAT))	TIBC UIBC TSAT	Minimum 3 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	See each test individually	Room Temperature
386.	Iron, Urine	-	Random urine sample	Immunochemistry 8 am-4 pm	1-3 Working Days	Not Applicable	Store in refrigerator or send immediately
387.	Iso-Hemagglutinin	-	EDTA or Plain Tube	Blood Bank 8:00am – 5:00pm	One Day	Not Applicable	Room temperature
	<h1>J</h1>						
388.	Joint Biopsy (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
	<b>K</b>						
389.	<b>Kappa/Lambda Surface Antigens</b>	-	2-4.5 ml Marrow in Lavender top tube or EDTA blood tube “Lavender top” fill to mark	<b>Pathology</b> 8 am- 3 pm	8-24 Hours	Not Applicable	Fresh blood or marrow aspirate or maximum 48 hrs at room temperature
390.	<b>Kappa/Lambda Ratio</b>	-	Measured test listed in FREE LIGHT CHAIN KAPPA,LAMBDA & RATIO panel	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	0.22 – 1.74	Room Temperature
391.	<b>Kidney Biopsy Routine (Medium)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
392.	<b>Ketone In Urine</b>	-	<b>Urine:</b> ≥ 10 mL in sterile container	<b>Microbiology</b> 24 hours/day	2-4 Hours	Negative	Room temperature, send within one hour of collection
393.	<b>Kidney Function Test Contains (Creatinine, Urea, Uric Acid, K, Na, &amp; Cl )</b>	<b>KFT</b>	Minimum 3 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	See each test individually	Room Temperature
394.	<b>Kidney, Nephrectomy Neoplastic (Large)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
395.	<b>Kidney, Nephrectomy Non-Neoplastic (Large)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
396.	<b>KI67 (Immunohistoimmunochemistry )</b>	-	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
	<b>L</b>						

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
397.	Lactate Dehydrogenase	LDH	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	Children: See portal Adult: 122-222 U/L	Room Temperature
398.	Lactic Acid	LA	Collect blood in sodium fluoride and Potassium oxalate one tube "Fill to mark"	Immunochemistry 24 hours/day	One Hour	Not Applicable	Keep under Ice Must be delivered/ received byhand.
399.	Lamotrogine (Lamictal)	-	2-3 ml Serum Room Temperature	Immunology Send out test /contact the laboratory	2 Days	Normal: 3-14 Toxic:>15	Room Temperature
400.	Laryngeal Biopsy (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
401.	Ldh In Body Fluid	-	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	Immunochemistry 24 hours/day	2-8 Hours	<ul style="list-style-type: none"> <li>• Pleural: – Transudate: &lt;200 U/L</li> <li>– Exudate: &gt;200 U/L</li> <li>• Synovial: &lt;240 U/L</li> </ul> See Portal (For interpretation)	Room Temperature
402.	Ldh Isoenzyme	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 8 am-10 am	One Week	Not Established	Room Temperature
403.	LDL Cholesterol	LDL	Calculated test listed in lipid profile panel	Immunochemistry 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Not orderable test listed in Lipid profile should be fasting 12 hrs.at least.
404.	Lead Poisoning	LP	Whole Blood EDTA blood tube "Lavender Top" fill to mark	Immunochemistry 24 hours/day	One Week	0 – 70 mcg/L	Room Temperature
405.	Left Nephrestomy Culture	-	Urine collected from nephrostomy tube through a syringe. Volume: ≥ 5 mL in sterile container	Microbiology 24 hours/day	2-3 Days If Negative	No growth	Room temperature, send within one hour of collection

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
406.	Legionella Antigen , Urine	-	Urine: ≥ 10 mL in sterile container	<b>Microbiology</b> 24 hours/day	2-4 Hours	Negative	- Room temperature / Store at refrigerator if delayed
407.	LEGIONELLA PNEUMOPHILA ANTIBODY, IgG	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> 8 am- 3 pm	3-5 Working Days	Negative	Room temperature
408.	LEGIONELLA PNEUMOPHILA ANTIBODY, IgM	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
409.	Leishmania Antibody , Serum	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
410.	Lingual (Tongue) Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
411.	Lingula Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
412.	Lip Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
413.	Lipase In Body Fluid	-	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Drainage fluid: 175 – 450 U/L See Portal (For interpretation)	Room Temperature
414.	Lipase Level	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	12-61 U/L	Room Temperature
415.	Lipid Profile-1 Contains(Triglyceride, Cholesterol, HDDL & LDL)	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	See each test individually	Patient should be fasting for 12 hrs.at least.
416.	Lithium Level	<b>Li</b>	Minimum 1 ml Blood Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	Range: 0.6-1.2 Toxic level:> 2.0 mmol/L	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
417.	<b>Liver Function Test Contains (ALT, AST, ALP, Albumin, Total Protein, Bilirubin Direct, &amp; Bilirubin Total )</b>	<b>LFT</b>	Minimum 3 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	See each test individually	Room Temperature
418.	<b>Liver, Needle Or Wedge Biopsy (Medium)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
419.	<b>Lump (Soft Tissue Mass) 5-10cm (Medium)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
420.	<b>Lump (Soft Tissue Mass)&lt;5cm (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
421.	<b>Lump (Soft Tissue Mass)&gt;10cm (Large)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
422.	<b>Lung Biopsy (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
423.	<b>Lung, Lobectomy (Medium)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
424.	<b>Lung, Total Resection (Large)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
425.	<b>Lupus Anticoagulant</b>	<b>LAC</b>	Citrate blood “Blue Top” fill to mark	<b>Hematology</b> Send out test 8 am- 3 pm	3-5 Days	Not Applicable	Call laboratory Extension 1743 before blood withdrawal
426.	<b>Luteinizing Hormone</b>	<b>LH</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	State day of menstrual cycle. Steroid therapy may influence result.
427.	<b>Lymph Node Biopsy (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
428.	Lymph Node, Sentinel (Large)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
<h1>M</h1>							
429.	Magnesium	MG	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
430.	Magnesium,24h Urine	MG	24 hours Urine collection container kept cool	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	51-269 mg/24 hr	Room Temperature
431.	Magnesium ,Spot Urine	MG	5-10 ml Midstream Random urine	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Magnesium/Creatinine Ratio: > or =0.035 mg/mg	Room Temperature
432.	Mandible/ Maxilla Dissection (Large)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
433.	Measles IgG	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Only Thursdays	One week	Immune:Positive	Room temperature
434.	Measles IgM	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature



## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
435.	Metanephrines 24hr Urine Collection	-	24 hours urine collection	Immunology Send out test /contact the laboratory	3-5 Working Days	2-10 mg/24hrs	<p>Store in refrigerator.to the special container every time you use the bathroom for the next 24 hours.- On day 2, urinate into the container in the morning again when you wake up. – Label the container with your name, the date, the time of completion, and return it as instructed. Acute stress and vigorous exercise may affect the test results. Foods that can increase urinary catecholamine’s include coffee, tea, bananas, chocolate, cocoa, citrus fruits, and vanilla. Avoid these for several days prior to the test. Certain drugs can also affect test results. Your health care provider may tell you to stop taking certain medicines before the test. Never stop taking medicine without first talking to your doctor. Sample must</p>

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
436.	<b>Methotrexate Level</b>	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	One Hours	24 hours after dose: <10 mcmol/L 48 hours after dose: <1 mcmol/L 72 hours after dose : <0.1 mcmol/L	Room Temperature
437.	<b>Microalbumin ,Urine</b>	-	5-10 ml Midstream Random urine	<b>Immunochemistry</b> <b>8 am-10 am</b>	One Week	Less than 20 mg/L	Room Temperature
438.	<b>Microalbuminuria ,Spot Urine</b>	-	5-10 ml Random urine sample	<b>Immunochemistry</b> 24 hours/day	One Week	Not Applicable	Room temperature
439.	<b>Microalbuminuria,24hrs Urine Level</b>	<b>ACR</b>	24 hours Urine collection container kept cool	<b>Immunochemistry</b> <b>8 am-10 am</b>	One Week	0 – 30 mg/24hrs	Keep the container in a cool place (Refrigerator). It must be delivered to the section before 10 am
440.	<b>Mycophenolic acid (MPA)</b>	<b>MPA</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	One Hours	Therapeutic range:1.0-3.5 mcg/mL Critical High: >4.0 mcg/mL	Room Temperature
441.	<b>MLH1 (IMMUNOHISTOIMMUNOCHEMISTRY)</b>	-	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
442.	<b>MONOSPECIFIC COOMBS TEST</b>	-	2 ml or 4.5 ml EDTA blood tube “Lavender Top “ fill to mark	<b>Blood Bank</b> 24 hours/day	1 Hour	Not Applicable	Room temperature
443.	<b>MSH2 (IMMUNOHISTOIMMUNOCHEMISTRY)</b>	<b>MSH2</b>	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
444.	<b>MSH6 (Immunohistoimmunochemistry)</b>	-	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
445.	<b>Mucosal Biopsy, Any Site (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
446.	<b>Mumps IgG</b>	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Only Thursdays	One week	Immune:Positive	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
447.	Mumps IgM	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
448.	Muscle Biopsy, Routine (Medium)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
449.	MYCOPLASMA ANTIBODY , Igg, SERUM	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
450.	MYCOPLASMA ANTIBODY , IgM, SERUM	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
451.	Myoglobin ,Spot Urine	MB	5-10 ml Midstream Random urine	<b>Immunochemistry</b> 8 am-10 am	One Week	Negative	Room Temperature
<h1>N</h1>							
452.	Nasal Mucosal Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
453.	Nasal Swab Culture (Screening Test)	-	Nasal swab in transport media Insert a sterile swab into the nose until resistance is met at the level of the turbinate’s (approximately 2-3 cm into the nose). Rotate the swab against the nasal mucosa and leave in place for 10-15 seconds, and then place it in transport medium.	<b>Microbiology</b> 24 hours/day	2-3 Days If No Pathogens	Normal Flora, Or No growth	Room temperature
454.	Nasal Tumor, Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
455.	Nasal Wash Culture	-	Nasal wash, collect in sterile container	<b>Microbiology</b> 24 hours/day	2-3 Days If No Pathogens	Not Applicable	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
456.	Nasopharyngeal Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
457.	Nerve Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
458.	Neonatal Screening	-	Blood Drops 4 on Card	<b>Immunochemistry</b> 8 am-10 am	One Week	Negative	Room temperature Call laboratory Extension 1345/3272 before blood withdrawal
459.	Nitrite ,Urine	-	Urine sample in sterile container	<b>Microbiology</b> 24 hours/day	1-2 Hours	Not Applicable	Room temperature, send within one hour of collection
460.	Nitroblue Tetrazolium Test	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Hematology</b> Send out test /contact the laboratory	3-5 Days	Not Applicable	Room temperature
461.	Neuron Specific Enolase	NSE	Minimum 1 ml Blood Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Up To 16.30	Room Temperature
	<h1>O</h1>						
462.	Omental Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
463.	Omentectomy	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
464.	Oncotype DX	-	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	14 working Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
465.	Osmolality	Osmo	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	275-295 mOsm/kg	Room Temperature
466.	Osmolality Urine	-	5-10 ml Midstream Random urine	Immunochemistry 24 hours/day	2-8 Hours	150-1150 mOsm/kg	Room Temperature
467.	Ovarian Biopsy, Small Wedge (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
468.	Osteocalcin Serum Level	OC	Minimum 2-3 ml Blood “ Plain Red Top Tube”	Immunology Send out test /contact the laboratory	3-5 Working Days	3.1 13.7 ng/ml	Room temperature
469.	Ovarian Mass/ Cyst 5-10cm (Medium)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
470.	Ovarian Mass/Cyst <5cm (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
471.	Ovarian Mass/Cyst >10cm (Large)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
472.	Oxalate 24hr Urine	-	24 hours Urine collection container kept cool	Immunochemistry 8 am-10 am	One Week	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges please refer to page (99)	Keep the container in a cool place (Refrigerator). It must be delivered to the section before 10 am
473.	Oxalate,Spot Urine	-	5-10 ml Midstream Random urine	Immunochemistry 8 am-10 am	One Week	Not Established	Room Temperature
	<h1>P</h1>						
474.	Pancreas, Whipple’s (Large)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
475.	<b>Pancreatic Fluid Culture (Aerobic+Anaerobic+Gram Culture)</b>	-	Aseptically aspirated Pancreatic fluid, collected in sterile container $\geq 3$ ml  Or use blood culture bottles (BACTEC or Versa TREK) (at least 5-10ml ) each, send part of specimen in a sterile container for gram stain ( $> 5$ ml)	<b>Microbiology</b> 24 hours,  Recommended time: 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours  Culture: 5-7 Days If Negative	Aerobic: No Growth after 5 days incubation  Anaerobic: No growth after 5 days incubation	Room Temperature. Transport Immediately
476.	<b>Parathyroid Hormone</b>	<b>PTH</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or EDTA “Fill to Mark” (Lavender)- Under ICE	<b>Immunochemistry</b> <b>8 am-10 am</b>	2-8 Hours	15-65 pg/mL	Patient Fasting at least 8 hrs, Collect Venous Blood in EDTA Tube, Sample Must Be Kept Cold And Transported On Ice Immediately To The Lab, Sample Must Arrive At Laboratory Before 10 am, Patient Must Not Be Taken Medication Or Diet Rich In Calcium Or Phosphorous. Must Patient should be fasting for 8 hrs.at least and be delivered/ received by hand.
477.	<b>PARVOVIRUS , IgG</b>	<b>CPV</b>	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
478.	<b>PARVOVIRUS , IgM</b>	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room Temperature
479.	<b>Pathology-Under Ice Section</b>	-	Fresh sample/tissue	<b>Pathology</b> 8 am-4 pm	Immediately	Not Applicable	Room Temperature
480.	<b>Platelet-derived growth factor receptors PDGFR</b>	<b>PDGFR</b>	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
481.	<b>PDL-1 (Immunohistoimmunochemistry)</b>	<b>PDL-1</b>	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
482.	<b>Perianal Swab culture For ESBL (Screening)</b>	-	Perianal swab in transport media Gently insert the swab beyond the anal sphincter, rotate it, remove it, and place it in transport media.	<b>Microbiology</b> 24 hours/day	2-3 Days If No Pathogens	Negative for ESBL producing organism	Room Temperature. If A Delay In Transport Or Processing Is Anticipated (Beyond One Hour), The Swab Should Be Kept At 4c.
483.	<b>Perianal Swab Culture (Screening Test)</b>	-	Perianal swab in transport media Gently insert the swab beyond the anal sphincter, rotate it, remove it, and place it in transport media.	<b>Microbiology</b> 24 hours/day	2-3 Days If No Pathogens	Negative for multidrug resistant nonfermentative gram negative pathogens.	Room Temperature. If A Delay In Transport Or Processing Is Anticipated (Beyond One Hour), The Swab Should Be Kept At 4c.
484.	<b>Pericardial Fluid Culture (Aerobic+ Anaerobic+Gram Stain)</b>	-	Aseptically aspirated Pancreatic fluid, collected in sterile container ≥ 3 ml  Or use blood culture bottles (BACTEC or Versa TREK) (at least 5-10ml ) each, send part of specimen in a sterile container for gram stain (> 5 ml)	<b>Microbiology</b>  24 hours,  Recommended time: 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours  Culture: 5-7 Days If Negative	Aerobic: No Growth after 5 days incubation  Anaerobic: No growth after 5 days incubation	Room Temperature. Transport Immediately

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
485.	<b>Peritoneal Fluid (Aerobic+Anaerobic Culture+ Gram Stain</b>	-	Aseptically aspirated Pancreatic fluid, collected in sterile container ≥ 3 ml  Or use blood culture bottles (BACTEC or Versa TREK) (at least 5-10ml ) each, send part of specimen in a sterile container for gram stain (> 5 ml)	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours  Culture: 5-7 Days If Negative	Aerobic: No Growth after 5 days incubation  Anaerobic: No growth after 5 days incubation	Room Temperature. Transport Immediately
486.	<b>PH</b>	-	Measured test listed in Arterial Blood Gas + Extended Critical Care Profile	<b>Immunochemistry</b> <b>24 hours/day</b>	One Hours	7.35-7.45	Not orderable test listed in Arterial blood gas plus extended critical care profile.
487.	<b>PH, Body Fluid</b>	-	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Not Established See Portal (For interpretation)	Room Temperature
488.	<b>Phenobarbital, Serum</b>	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	2 Days	15-40 ,Toxic Level >50	Room Temperature
489.	<b>Phenytoin(Epanotin)</b>	<b>PHT</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	One Hours	Therapeutic: 10.0-20.0 mcg/mL Critical value: > 20.0 mcg/mL	Room Temperature
490.	<b>Phosphorus Level</b>	<b>P</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
491.	<b>Phosphorus 24h Urine</b>	-	24 hours Urine collection container kept cool	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	<1100 mg/24 hours	Keep the container in a cool place (Refrigerator)
492.	<b>Phosphorus Test Spot Urine</b>	-	5-10 ml Midstream Random urine – 1 <sup>st</sup> morning urine	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	1 <sup>st</sup> morning urine : 40-136 mg/dL	Room Temperature
493.	<b>Plasmapheresis</b>	-	Call Blood Bank Extension. 1710	<b>Blood Bank</b>		Not Applicable	Call Blood Bank
494.	<b>Platelet Count, Blood</b>	<b>PLT</b>	EDTA blood tube “Lavender Top” fill to mark	<b>Hematology</b> 24 hours/day	2 – 4 Hours	150 – 400 x 10 <sup>3</sup> / ul	Room Temperature



### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
495.	Pleural Biopsy	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
496.	Pleural, Fluid (Aerobic+Anaerobic) Culture+Gram Stain	-	Aseptically aspirated Pleural fluid, collected in sterile container ≥ 3 ml  Or use blood culture bottles (BACTEC or Versa TREK) (at least 5-10ml ) each, send part of specimen in a sterile container for gram stain (> 5 ml)	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours  Culture: 5-7 Days If Negative	Aerobic: No Growth after 5 days incubation  Anaerobic: No growth after 5 days incubation	Room Temperature. Transport Immediately
497.	PMS2 (Immunohistoimmunochemistry)	-	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
498.	Polyp <5cm, Any Site (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
499.	Porta Cath Site Swab Culture	-	Swab in transport media	<b>Microbiology</b> 8 am- 5 pm	2-3 Days If Negative	Not Applicable	Room Temperature
500.	Potassium	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	3.6 – 5.2 mmol/L Critical :<3.0, >6.0	Room Temperature
501.	Potassium Spot Urine Level	K	5-10 ml Midstream Random urine	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	12-129 mmol/L	Room Temperature
502.	Potassium,24hr Urine		24 hours Urine collection container kept cool	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	17-77 mmol/24 hours	Keep the container in a cool place (Refrigerator)
503.	Prealbumin	PAB	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	19-38 mg/dL	Room Temperature
504.	Procalcitonin	PCT	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	Healthy: <0.046 ng/mL Local Infection, sepsis not likely: <0.5 High risk of severe sepsis and/or septic shock : >2.0 Critical High : >2.0 ng/mL	Room temperature Sample should be arrive to lab ASAP-Fresh sample no more 2hrs

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
505.	Product Of Conception (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
506.	Progastrin-Releasing Peptide (Progrp)	ProGRP	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	< 50 pg/ml	Room Temperature
507.	Progesterone Receptor	PR	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
508.	Prograf (Tacrolimus II)	TAC	Whole Blood EDTA tube “Lavender Top” fill to mark	<b>Immunochemistry</b> 24 hours/day	1-3 Hours	Therapeutic range: 5.0-15.0 ng/mL Toxic Level: > 25.0 ng/mL Critical: <1.5 ng/mL	Room Temperature
509.	Pro Human B-Type Natriuretic Peptide (Probnp)	ProBNP	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	≤ 125 pg/mL	Room Temperature
510.	Prolactin	PRL	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
511.	Prolactin Time 120	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 8 am-11 am	2-8 Hours	Study test – Not Established	Room Temperature
512.	Prolactin Time 30	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 8 am-11 am	2-8 Hours	Study test – Not Established	Room Temperature
513.	Prolactin Time 60	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 8 am-11 am	2-8 Hours	Study test – Not Established	Room Temperature
514.	Prolactin Time 90	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 8 am-11 am	2-8 Hours	Study test – Not Established	Room Temperature
515.	Prolactin Zero Time	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 8 am-11 am	2-8 Hours	Study test – Not Established	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
516.	Prostate, Biopsy Tur (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
517.	Prostate, Sextant (Medium)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
518.	Prostatectomy, Radical (Large)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
519.	Prostatectomy, Simple (Large)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
520.	Prostatic Secretions Culture	-	Prostatic secretion, collected in sterile container	<b>Microbiology</b> 8 am- 5 pm	3-5 Days If Negative	Not Applicable	Room Temperature, Send Immediately
521.	Prostatic Specific Antigen	PSA	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
522.	Protein CSF	PRT	Measured test Listed in CSF ANALYSIS, CHEMISTRY panel	<b>Immunochemistry</b> 24 hours/day	One Hours	15.0 - 45.0 mg/dL	Not orderable test listed in CSF chemistry analysis.
523.	Protein (Serum)	-	3-5 ml Blood plain / Tube Red Top	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Not Applicable	Room Temperature
524.	Protein In Body Fluids	-	1-3 ml fluid	<b>Immunochemistry</b> 24 hours/day	8-24 Hours	Not Applicable	Room Temperature
525.	Protein Spot Urine	-	5-10 ml Random urine sample	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Not Applicable	Room Temperature
526.	Proteinase 3 Antibodies	-	2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
527.	<b>Progesterone Serum Level</b>	<b>P P4</b>	2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
528.	<b>Prothrombin Time</b>	<b>PT</b>	Citrate blood “Blue Top” fill to mark	<b>Hematology</b> 24 hours/day	4-8 Hours	12.4 -15.1 sec	Room Temperature. Patients With Indwelling Lines, Proper Flushing Of The Line Must Be Done Before Specimen Collection
529.	<b>Pus Culture + Gram Stain</b>	-	Pus aspirate in sterile container or 2 swabs in transport media should be sent to cover CS&GS	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours  Culture: 2-3 Days If Negative	No growth	Room Temperature
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530.	<b>Quantiferon-TB Gold Plus</b>	-	Minimum 3 ml in four different tubes (Available in kit)	<b>Immunology</b> Send out test /contact the laboratory	2-3 Weeks	Negative	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
	R						
531.	<b>Rapid Plasma Reagin (RPR)</b>	<b>RPR</b>	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> 8 am- 3 pm	1-3 Working Days	Negative	Room temperature
532.	<b>RBC Folate</b>	-	Minimum 2 ml EDTA blood tube “Lavender Top” fill to mark	<b>Immunology</b> Send out test /contact the laboratory	One week	Normal: 192.1 – 577.1 Deficient: Less than 150	Room temperature
533.	<b>Renin, Plasma Level</b>	-	Minimum 2 ml EDTA blood tube “Lavender Top” fill to mark	<b>Immunology</b> Send out test /contact the laboratory	1-2 Weeks	Low:Supine: 4.70, UPRIGHT:7.5” High:Supine:31.9 , UPRIGHT:42.3pg/mL	Under ice 12 Hrs. fasting required. Sample must be collected at 8 am and sent to the Immunology Laboratory before 10 am.
534.	<b>Rheumatoid Factor</b>	<b>RF</b>	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> 8 am- 3 pm	1-3 Working Days	Negative	Room temperature
535.	<b>RBC Depletion</b>	-	Call Blood Bank laboratory Extension 1710	<b>Blood Bank</b>		Not Applicable	Call Blood Bank laboratory
536.	<b>Rectal Biopsy, Mucosal (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
537.	<b>Rectal Biopsy, For Ganglion Cells(Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
538.	<b>Renin , Plasma Level</b>	-	EDTA blood tube “Lavender Top” fill to mark	<b>Immunology</b> Send out test /contact the laboratory	1 Week	Not Applicable	Immediate on ice, Sample must be obtained at 8 am, it must be delivered to the Immunochemistry Laboratory before 10 am, the patient must be upright or lying down for a period of time 15-30 minutes prior to sample collection.
539.	<b>Reticulin Stain On Tissue</b>	-	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	1-2 Days	Not Applicable	Room Temperature
540.	<b>Reticulocyte Count, Blood</b>	-	EDTA blood tube “Lavender Top” fill to mark	<b>Hematology</b> 24 hours/day	4-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room temperature
541.	<b>Rheumatoid Factor ( Rf )</b>	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> 8 am- 3 pm	1-3 Working Days	Not Applicable	Room temperature
542.	<b>Rh-Phenotyping</b>	-	EDTA blood tube “Lavender Top “ fill to mark	<b>Blood Bank</b> 24 hours/day	2 Hours	Not Applicable	Room temperature
543.	<b>Right Nephrostomy Urine Culture</b>	-	Urine collected from nephrostomy tube through a syringe. Volume: ≥ 5 mL in sterile container	<b>Microbiology</b> 24 hours/day	2-3 Days If Negative	No growth	Room temperature, send within one hour of collection
544.	<b>Roma Score (Ovarian Malignancy Risk Algorithm)</b>	-	Calculated Test combined with CA 125 & HE4 tests	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Premenopausal: <1.14 (low risk) Postmenopausal: <2.99 (low risk)	Not orderable test should order with HE4 and CA125

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
545.	Rotavirus, Stool	-	Fresh stool specimen in a clean container. Follow up on a previously positive antigen detection tests should be done not less than every 48 hours.	Microbiology 24 hours/day	2-4 Hours	Negative	Room temperature
546.	Rubella Ab IgG	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	< 10 IU/L Negative for anti-Rubella IgG ≥ 10 IU/L Positive for anti-Rubella IgG	Room Temperature
547.	RUBELLA IgM, SERUM	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	Immunology Send out test /contact the laboratory	3-5 Working Days	Negative	Room temperature
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548.	SARS-CoV-2 Rapid Antigen Test	-	<p>Specimen Collection by RT nurse or physician:</p> <p>-Insert a sterile swab into the patient’s nostril; swab the surface of the posterior nasopharynx. Withdraw the swab from the nasal cavity (nasopharyngeal swab)</p> <p>- Insert the swab into an extraction buffer fluid tube, close tightly</p> <p>-Sent to Microbiology section ASAP</p>	Microbiology  24 hours,	1 hour	Negative	-Sent to Microbiology section ASAP
549.	Salivary Gland (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
550.	Scalp Biopsy (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
551.	Sclp.Bx	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-5 Days	Not Applicable	Room Temperature
552.	Scrotal Mass (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
553.	Seroma Culture And Gram Stain	-	Aspirating the fluid with sterile syringe and needle and then injecting the aspirated material into sterile container.	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours  Culture: 5-7 Days If Negative)	No growth	Room temperature
554.	Serum Protein Electrophoresis	<b>SPEP</b>	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> 8 am- 3 pm	1-2 Weeks	No Monoclonal Seen	Room temperature
555.	Sex Hormone Binding Globulin	<b>SHBG</b>	2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Male:13-71 Female:18-114	Room Temperature
556.	sO2	-	Measured test listed in Arterial Blood Gas + Extended Critical Care Profile	<b>Immunochemistry</b> <b>24 hours/day</b>	One Hours	>95 %	Not orderable test listed in Venous and Arterial blood gas plus extended critical care profile.
557.	Sodium Level	<b>NA</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> <b>24 hours/day</b>	One Hours	135-145 mmol/L Critical-Low: ≤120 Critical-High: ≥160	Room Temperature
558.	Sodium(Urine)		5-10 ml Midstream Random urine	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	> 20 mmol/L	Room Temperature
559.	Sodium,24hr Urine	-	24 hours Urine collection container kept cool	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	41-227 mmol/24 hours	Keep the container in a cool place (Refrigerator)
560.	Special Stain	-	10% buffered formalin or fresh cytology or block.	<b>Pathology</b> 8 am-4 pm	1-2 Days	Not Applicable	Room temperature
561.	Splenectomy (Medium)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature



### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
562.	Specific Gravity, Urine	SG	Urine: ≥ 10 mL in sterile container	Microbiology 24 hours	1-2 Hours	1.002 – 1.035	Room temperature, send within one hour of collection
563.	Sputum Culture + Gram Stain	-	>2ml first morning sputum, not saliva, collected in a sterile container1. Expecterated sputum: Have patient rinse MOUTH or gurgle with water and then to cough deeply to produce lower respiratory tract specimen (not postnasal fluid or saliva). Collect sputum in a sterile container. 2. Induced specimen: Have patient rinse mouth with water after brushing gums and tongue. With aid of nebulizer, have patient inhale about 25 ml of 3-10% normal saline. Collect sputum in sterile container. Collect via suction for pediatric patient unable to produce specimen.	Microbiology 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours  Culture: 2-3 Days If Negative 2-3 Days If No Pathogens	Normal Flora, Or  No growth	Room temperature
564.	Squamous Cell Carcinoma Antigen (SCC)	SCC	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	0.0 – 2.2 ng/mL	Room Temperature
565.	Stool Analysis (Wet Preparation + Concentration +Permanent Stain)	-	Fresh stool sample in a clean container	Microbiology 24 hours/day	24 hours	Wet preparation: No ova or parasite seen  Concentration: No ova or parasite seen  Permanent stain: No ova or parasite seen	Room temperature
566.	Stool Analysis For Employees	-	Fresh stool sample in a clean container	Microbiology 8 am- 5 pm	24 hours	No ova or parasite seen	Room temperature
567.	Stool Culture For Campylobacter	-	Fresh stool sample, collect in sterile container	Microbiology 8 am- 5 pm	3-5 Days If No Pathogens	Negative for Campylobacter spp	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
568.	Stool Culture For Vibrio Cholerae	-	Fresh stool sample, collect in sterile container	Microbiology 8 am- 5 pm	2-3 Days If No Pathogens	Negative culture for vibrio cholerae	Transport to the lab. As soon as possible not longer than 2 hours of passage.
569.	Stool Culture For Salmonella And Shigella	-	Stool sample, collect in a sterile container Fresh, random diarrheal or soft sample	Microbiology 24 hours/day	2-3 Days If No Pathogens	Negative for Salmonella and Shigella	Room temperature. Transported immediately to the laboratory (within 30 minutes for Shigella, and within 1hour for Salmonella)
570.	Stool For Occult Blood	-	Fresh stool sample in a clean container	Microbiology 24 hours/day	2-4 Hours	Negative	Room temperature. Food Guidelines: Patient should avoid eating Liver, beef or lamb. Melons, cantaloupe, turnips, cauliflower, radishes, broccoli, cucumbers, horseradish
571.	Stool Permanent Stain Smear	-	Stool sample in clean container	Microbiology 24 hours/day	24 Hours	No ova or parasite seen	Room temperature
572.	Stone Analysis Urine	-	Urinary calculi in Urine cup	Immunochemistry 8 am-10 am	One Week	NA	Room Temperature
573.	Streptococcus Pneumoniae Antigen In Urine	-	Urine: ≥ 10 mL in sterile container	Microbiology 24 hours/day	2-4 Hours	Negative	Room temperature
574.	Subungual Biopsy (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
575.	Supra Pubic Urine Culture	-	Urine sample aspirated through the bladder, collect in sterile container	Microbiology 24 hours	3-4 Days If Negative	No growth	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
576.	<b>Synovial Fluid Culture (Aerobic+Anaerobic+Gram Stain)</b>	-	Aseptically aspirated synovial fluid, collected in sterile container ≥ 3 ml  Or use blood culture bottles (BACTEC or Versa TREK) (at least 5-10ml ) each, send part of specimen in a sterile container for gram stain (> 5 ml)	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours  Culture: 5-7 Days If Negative	Aerobic: No Growth after 5 days incubation  Anaerobic: No growth after 5 days incubation	Room temperature. Transport immediately
577.	<b>Synovial Membrane, Biopsy (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
<b>T</b>							
578.	<b>TDT Nuclear Staining Antigen</b>	-	2-4.5 ml blood or Marrow EDTA tube “Lavender top” fill to mark	<b>Pathology</b> 8 am- 3 pm	8-24 Hours	Not Applicable	Fresh blood or marrow aspirate or maximum 48 hrs. at room temperature
579.	<b>Testis, Biopsy Both (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
580.	<b>Testis, Biopsy One (Small)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
581.	<b>Testis, Orchiectomy (Large)</b>	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
582.	<b>Testosterone Total, Level</b>	TTST	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top) Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
583.	<b>Therapeutic Plasma Exchange</b>	TPE	Call Blood Bank Extension. 1710	<b>Blood Bank</b>		Not Applicable	Call Blood Bank

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
584.	Theophylin Serum Level	TH	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> 24 hours/day send out	2 Days	Not Applicable	Room temperature
585.	Throat Swab Culture	-	1. Depress tongue with a tonguedepressor.2. Sample the posterior pharynx, tonsils, and inflamed areas with sterile culture swab; take care not to contaminate the swab with saliva.3. Insert the swab back into its packet and crush the transport medium vial in the transport container.	<b>Microbiology</b>  24 hours,  Recommended time : 8:00AM – 4:00 PM	3-5 Days If No Pathogens	“Noβ-hemolytic Streptococcus isolated”	Room temperature, Transport to the laboratory as soon as possible.
586.	Throat Swab Culture For Screening	-	1. Depress tongue with a tonguedepressor.2. Sample the posterior pharynx, tonsils, and inflamed areas with sterile culture swab; take care not to contaminate the swab with saliva.3. Insert the swab back into its packet and crush the transport medium	<b>Microbiology</b>  24 hours,  Recommended time : 8:00AM – 4:00 PM	2-3 Days If No Pathogens	-No growth or  -Normal flora	Room temperature, Transport to the laboratory as soon as possible.
587.	Throat Swab culture For Neisseria	-	1. Depress tongue with a tonguedepressor.2. Sample the posterior pharynx, tonsils, and inflamed areas with sterile culture swab; take care not to contaminate the swab with saliva.3. Insert the swab back into its packet and crush the transport medium vial in the transport container.	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	3-5 Days If No Pathogens	“No <i>N. gonorrhoeae</i> isolated” if requested	Room temperature, Transport to the laboratory as soon as possible.
588.	Thrombin Time Plasma Level	TT	Citrate blood “blue Top” fill to mark	<b>Hematology</b> 8 am- 3 pm Send out test /contact the laboratory	3 – 5 days	Not Applicable	Call laboratory Extension 1743 before blood withdrawal. Patients with indwelling lines, proper flushing of the line must be done before specimen collection.

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
589.	Theophyllin	-	2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	10-20 µg/ml	Room Temperature
590.	Thyroglobulin	TG	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	3.5-77 ng/mL	Positive Anti-TG shows low to negative result of TG. Room Temperature
591.	Thyroid Microsomal Antibodies	-	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Not Applicable	Room temperature
592.	Thyroid Stimulating Hormone(TSH)	TSH	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	0.270-4.20 mcIU/mL	Room Temperature
593.	Thyroid, Lobe/Nodule (Medium)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
594.	Thyroid, Total Thyroidectomy (Large)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
595.	Tip Of Hickman Culture	-	Tip of Hickman catheter, collect in sterile container	<b>Microbiology</b> 24 hours/day	2-3 Days If No Pathogens	Not Applicable	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
596.	Tip Of Central Line Culture	-	CATHETER – INTRAVENOUS: Distal 1.5- 2 inches of intravascular catheter, e.g. Hickman catheter, PICC line, Central Venous Pressure (CVP) catheters, etc., submitted in a Sterile screw-cap cup container <u>without saline</u> sterile as soon as possible. Transport the specimen to the laboratory immediately.	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	3 Days If Negative	No growth	1. Do not accept Foley catheter tip. 2. Do not accept catheter tips which arrive in saline or transport media. For ventricular-peritoneal shunts, peritoneal or spinal fluid is preferred to the catheter tip. If tip is submitted, culture it, but request submission of fluid
597.	Tissue/Surgical/Biopsy (Aerobic+Anaerobic Culture+ Gram Stain)	-	Surgical tissue, bone, biopsy, and other specimens from areas which are sterile under normal conditions collected in a sterile container with 2-3 normal saline	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours  Culture: 5-7 days If Negative	Aerobic: No Growth after 5 days incubation  Anaerobic: No growth after 5 days incubation	Room temperature. Transport immediately
598.	Tonsils (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
599.	<b>Tobramycin</b>	-	2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Peak level: 5-10 µg/L Trough: 0.5-2 Toxic: peak > 10 Trough: >2	Room Temperature
600.	<b>Total Catecholamine,24hr Urine</b>	-	24 hours urine collection	<b>Immunology</b> Send out test /contact the laboratory	3-5 Days	Not Applicable	Store in refrigerator
601.	<b>Total Iron Binding Capacity (TIBC)</b>	<b>TIBC</b>	Calculated Test combined in Iron Study	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	250-400 mcg/dL	Not orderable test listed in Iron study profile
602.	<b>Total Protein</b>	<b>TP</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	6.2 – 8.2 g/dL	Room Temperature
603.	<b>Total Protein,24hr UR</b>	-	24 hours Urine collection container kept cool	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	<229 mg/24 hours	Keep the container in a cool place (Refrigerator)
604.	<b>Toxoplasma Ab IgG</b>	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	< 1 IU/mL Negative for IgG antibodies to T. gondii ≥ 1 to < 3 IU/mL Grayzone ≥ 3 IU/mL Positive for IgG antibodies to T. gondii	Room Temperature
605.	<b>Toxoplasma Ab IgM</b>	<b>TOXO</b>	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	<0.80 COI Negative for IgM antibodies to T. gondii. ≥ 0.8 to < 1.0 COI Grayzone ≥ 1.00 COI Positive for IgM antibodies to T. gondii.	Room Temperature
606.	<b>Transferrin Saturation (TSAT)</b>	<b>TSAT</b>	Calculated Test combined in Iron Study	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	20-50%	Not orderable test listed in Iron study profile.

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
607.	Transferrin,Serum Level	TF	2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	One Week	Not Applicable	Room Temperature
608.	Trap Content Culture + Gram Stain	-	Trap content collected in sterile container	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	Preliminary Gram stain: 2-4 Hours Culture: 2-3 Days If Negative	-No growth or -Normal flora	Room temperature
609.	Treponema Pallidum Hemagglutination	-	2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	One Week	Negative	Room Temperature
610.	Triglyceride Level	TG	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Children: See portal Adult: Normal: <150 mg/dL Borderline high: 150-199 mg/dL High: 200-499 mg/dL Very high: > or =500 mg/dL	Patient should be fasting for 12 hrs. at least. Room temperature.
611.	Triglycerides,Body Fluids	TG	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Not Established See Portal (For interpretation)	Room Temperature
612.	Troponin I	TnI	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	Healthy : <0.16 ng/ml Critical High : >=0.3 ng/ml	Room Temperature
613.	TSH Receptor Auto-Antibodies	TSHR	Minimum 2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Not Applicable	Room temperature
614.	Tubo-Ovarian Mass (Medium)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature



### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
615.	<b>TSH Receptor Auto-Antibodies</b>	<b>TSH-R</b>	2-3 ml Blood “ Plain Red Top Tube”	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative: less than 1.8 Grey zone: 1.8 – 2.0 Positive: more than 2.0	Room Temperature
<b>U</b>							
616.	<b>Ulcer Culture And Gram Stain</b>	-	Ulcer, collected in a sterile container	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	2-3 Days If Negative  Preliminary Result, Gram Stain (Within 1-2 Hours)	-No growth	Room temperature. Transport immediately
617.	<b>Under Ice Section For First Under Ice Section Block</b>	-	Fresh Sample	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	20-30 Minutes	Not Applicable	Room Temperature
618.	<b>Under Ice Section For First Subsequent Blocks Additional</b>	-	Fresh Sample	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	20-30 Minutes	Not Applicable	Room Temperature
619.	<b>Unsaturated Iron Binding Capacity (UIBC)</b>	<b>UIBC</b>	Measured Test combined in Iron Study	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Not orderable test listed in Iron study profile.
620.	<b>Urea 24hr Urine</b>	-	24 hours Urine collection container kept cool	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	10000-35000 mg/24 hours	Keep the container in a cool place (Refrigerator)
621.	<b>Urea Body Fluid</b>	-	1-3 ml Body Fluid in clean Falcone tube/ Urine cup	<b>Immunochemistry</b> <b>24 hours/day</b>	2-8 Hours	Not Established See Portal (For interpretation)	Room Temperature

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
622.	Urea (Urine)	-	5-10 ml Midstream Random urine	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
623.	Urea Level	-	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
624.	Ureter (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
625.	Ureteric Biopsy (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
626.	Urethral Biopsy/Polyp (Small)	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
627.	Urethral Discharge Culture+ Gram Stain	-	Urethral discharge, collected in sterile container	<b>Microbiology</b> 24 hours,  Recommended time: 8:00AM – 4:00 PM	2-3 Days If No Pathogens	-No growth  - No N. gonorrhoeae	Room temperature
628.	Uric Acid	UA	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Room Temperature
629.	Uric Acid 24hr Urine Collection	U-UA	24 hours Urine collection container kept cool	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	<750 mg/24 hours	Keep the container in a cool place (Refrigerator)
630.	Uric Acid(Urine)	U-UA	5-10 ml Midstream Random urine	<b>Immunochemistry</b> 24 hours/day	2-8 Hours	Uric acid/ creatinine ratio <0.75 mg/mg	Room Temperature

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
631.	Urine Analysis	-	Urine: ≥ 10 mL in sterile container - midstream urine sample	Microbiology 24 hours/day	2-4 Hours STAT: 1 hour	Color: Pale yellow/ Yellow/Dark Yellow  Appearance: Clear  Specific gravity: 1.003-1.035  pH: 5/6/7/8  Leukocyte esterase: Negative  Nitrite: Negative  Protein: Negative  Glucose: Normal  Ketones: Negative  Bilirubin: Negative  Urobilinogen: Normal  Hemoglobin/Blood: Negative  RBCs: 0-1/1-2/ 2-3 /HPF  WBCs: 0-1/1-2/ 2-3 /HPF  Epith.Cwll: Rare/ few/moderate  Crystal: Not seen  Casts: 0-2 /LPF  Others: Not seen	Room temperature, send within one hour of collection

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
632.	Urine Culture	U-CUL	Urine: $\geq 10$ mL in sterile container - midstream urine sample	Microbiology 24 hours/day	5-8	-No growth  -Non significant growth	Room temperature, send within one hour of collection
633.	Urine PH	U-PH	Urine: $\geq 10$ mL in sterile container - midstream urine sample	Microbiology 24 hours/day	2-4 Hours STAT: 1 hour	Not Applicable	Room temperature, send within one hour of collection

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
634.	Urine Protien Electropherisis	U-PRO	24 hours urine collection	Immunology 8 am- 10 am	1-2 Weeks	No Monoclonal Seen	<p>Store in refrigerator .On day 1, urinate into the toilet when you get up in the morning. Afterwards, collect all urine in a special container for the next 24 hours. On day 2, urinate into the container when you get up in the morning. Cap the container. Keep it in the refrigerator or a cool place during the collection period. Label the container with your name, the date, the time of completion, and return it as instructed.</p> <p>Collection of the first morning urine, which is the most concentrated, may be advised. The health care provider may advise you to stop taking certain medicines that could interfere with the test. Sample must be delivered to the Immunology Laboratory before 10 am</p>


### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
635.	Urine, Sputum, Gastric Wash-Out etc.	-	Buffered Formalin	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	1-2 Days	Not application	Room Temperature
	<b>V</b>						
636.	Vaginal Discharge Culture For Screening	-	Vaginal swab in transport media	<b>Microbiology</b> 24 hours/day	2-3 Days If No Pathogens	Negative for multidrug resistant nonfermentative gram negative pathogens.	Room temperature.
637.	Valproic Acid	VPA	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	Therapeutic range : 50-100 Toxic Level: >100 mcg/mL	Room Temperature
638.	Vancomycin Concentration, Random	S- VAN	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	TROUGH: 10.0-20.0 mcg/mL PEAK : 20.0-45.0 mcg/mL	Room Temperature
639.	Vancomycin Concentration, Trough	S- VAN	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	Therapeutic range :10.0-20.0 mcg/mL Toxic Level:>20 mcg/mL	Room Temperature
640.	Vancomycin Concentration, Peak	S- VAN	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Hours	Therapeutic range :20.0-45.0 mcg/mL Toxic Level:>80 mcg/mL	Room Temperature
641.	Vanilymandelic Acid 24hr Urine	U-VA	24 hours Urine collection container kept cool	<b>Immunochemistry</b> 8 am-10 am	One Week	0 - 13.6 mg/24hrs	Keep the container in a cool place (Refrigerator). It must be delivered to the section before 10 am

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
642.	Vanilymandelic Acid Spot Urine	VMA	5-10 ml Midstream Random urine	Immunochemistry 8 am-10 am	One Week	Not Established	Keep the container in a cool place (Refrigerator).
643.	Varicella Zoster Virus IgG, Serum	VZV	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology 8 am- 3 pm	One Week	Positive	Room temperature
644.	Varicella Zoster Virus IgM, Serum	VZV	Minimum 2-3 ml Blood " Plain Red Top Tube"	Immunology 8 am- 3 pm	One Week	Negative	Room temperature
645.	V-ctO2	-	Measured test listed in Venous Blood Gas + Extended Critical Care Profile	Immunochemistry 24 hours/day	One Hours	NA	Not orderable test listed in <b>Venous blood gas plus extended critical care profile.</b>  Should arrive the lab ASAP No more than 30 mint.
646.	Venous Blood Gas Plus Extended Critical Care Profile	VBG	Minimum 0.5 ml HEPARINIZED SYRINGE – under ice	Immunochemistry 24 hours/day	One Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Should arrive the lab ASAP No more than 30 mint
647.	Vibrio Cholerae, Stool Culture	-	Stool : 1-2 g, or 5 ml in clean container; 1) Do not collect from bedpan containing urine 2) Must be transported ASAP, not longer than 2 hours of passage 2- Rectal swabs It must show stool. It is less satisfactory than raw stool sample. Transport to the lab. ASAP.	Microbiology 8 am- 5 pm (Arrange with microbiology lab)	3-5 Days	Negative culture for <i>Vibrio cholerae</i>	Must be transported ASAP, not longer than 2 hours of passage

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
648.	Viscosity	VISC	Minimum 5 ml Blood Plain (Tube Red Top)	Immunochemistry 24 hours/day	One Week	1 - 1.24 cP	Room temperature Fill 5ml Blood
649.	Vitamin B12 Level	VIT B12	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	2-8 Hours	197-771 pg/mL	Room Temperature
650.	Voriconazole Level	VCZ	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	Immunochemistry 24 hours/day	One Hours	Therapeutic range :1.0-5.5 mcg/mL Trough level (ie, immediately before next dose) monitoring is recommended. Critical High :> 6.0 mcg/mL	Room Temperature
651.	Vulval Biopsy (Small)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	2-4 Days	Not Applicable	Room Temperature
652.	Vulvar Swab Culture For Screening	-	Swab collected from vulva (including labia, Bartholin glands) in transport media	Microbiology 24 hour\day	3-5 Days	Negative for multidrug resistant nonfermentative gram negative pathogens.	1. Clean the surface of the lesion with a sterile normal saline. 2. Sample exudates or area of erythema with a swab 3. Transport to the lab ASAP
653.	Vulvectomy (Large)	-	Buffered Formalin	Pathology Sunday- Thursday 8:00am – 4:00pm	3-5 Days	Not Applicable	Room Temperature
							



### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
654.	Wash/Lavage, Routine Cytology For Malignant Cells	-	Sterile Container	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	2-3 Days	Not Applicable	Room Temperature
655.	Washed RBC/Unit	-	Call Blood Bank Extension. 1710	<b>Blood Bank</b>	24 Hours	Not Applicable	Call Blood Bank
656.	WBC Differential Count	-	EDTA WHOLE BLOOD LAVENDOR TOP TUBE	<b>Hematology</b> 24hr/7 Days	4-8 Hours	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges please refer to page (94+96)	Room temperature
657.	Widal Test	-	2-3 ml Blood " Plain Red Top Tube"	<b>Immunology</b> Send out test /contact the laboratory	3-5 Working Days	Negative	Room Temperature

## DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
658.	Wound Culture + Gram Stain	-	<p><b>Deep closed wounds:</b></p> <p>a. Decontaminate the site with saline and 70% alcohol</p> <p>.b. Aspirate the loculated fluid or pus from the depth of postulator vesicular wounds and abscess with a sterile needle and syringe.</p> <p>c. If a material cannot be obtained with a needle and syringes, a swab must be used, either separate the wound margins with the thumb and forefinger of one hand (wearing sterile gloves) or make a small opening in a closed abscess with a scalpel blade before extending the tip of the swab deeply into the depth of the lesion with the other hand. Do not to touch the adjacent skin margins d. Transport in anaerobic transport media ASAP if anaerobes are suspected. • Superficial open wounds :a. Clean open lesions thoroughly using sterile normal saline 0.9%.b. Aspirate the purulent fluid or pus from the depth of wound with a sterile needle and syringe. c. Open superficial wounds are not suitable for anaerobic culturing. d. Transport in aerobic transport media ASAP.</p>	<p><b>Microbiology</b> 24 hours,</p> <p>Recommended time : 8:00AM – 4:00 PM</p>	<p>Preliminary Gram stain: 2-3 Hours</p> <p>Culture: 2-3 Days If Negative</p>	-No growth	Room temperature
Y							

### DPLM Alphabetical Tests List & Collection Requirements

No.	Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
659.	<b>Yersinia, Stool Culture</b>	-	Stool : 1-2 g, or 5 ml in clean container 1) Do not collect from bedpan containing urine 2) Must be transported ASAP, not longer than 2 hours of passage 2- Rectal swabs It must show stool. It is less satisfactory than raw stool sample. Transport to the lab. ASAP.	<b>Microbiology</b> 24 hours,  Recommended time : 8:00AM – 4:00 PM	3-5 Days	Negative culture for <i>Yersinia spp.</i>	Must be transported ASAP, not longer than 2 hours of passage
660.	<b>Yeast Susceptibility Testing</b>	-	Yeast Isolate on solid media	<b>Microbiology</b> 8 am- 5 pm	3-5 Days	Not Applicable	Reflect test
Z							
661.	<b>Ziehl- Neelsen On Tissue</b>	-	Paraffin Block	<b>Pathology</b> Sunday- Thursday 8:00am – 4:00pm	1-2 Days	Not Applicable	Room Temperature
662.	<b>Zinc Level</b>	S-Zn	Minimum 1 ml Blood Lithium Heparin (Light Green) or Plain (Tube Red Top)	<b>Immunochemistry</b> 24 hours/day	One Week	70 – 120 mcg/dL	Room Temperature
663.	<b>Zinc Level 24hr Urine Collection</b>	U-Zn	24 hours Urine collection container kept cool	<b>Immunochemistry</b> 24 hours/day	One Week	300 – 800 mcg/24hrs	Keep the container in a cool place (Refrigerator). It must be delivered to the section before 10 am

## DPLM Alphabetical Tests List & Collection Requirements

### Chapter Three: Immunochemistry Profiles (Seven)

1. Kidney Function Tests	2. Chemistry Profile 14	3. Chemistry Profile 20	4. Liver Function Tests
Sodium (Na)	Sodium (Na)	Sodium (Na)	
Potassium (K)	Potassium (K)	Potassium (K)	
Chloride (Cl)	Chloride (Cl)	Chloride (Cl)	
Urea	Urea	Urea	
Creatinine	Creatinine	Creatinine	
Uric Acid	Uric Acid	Uric Acid	
	Calcium	Calcium	
	Magnesium	Magnesium	
	Phosphorus	Phosphorus	
	Glucose	Glucose	
	Albumin	Albumin	
		Adjusted Calcium	
		eGFR	
		Bicarbonate	Albumin
		Total Protein	Total Protein
		Bilirubin Total	Bilirubin Total
		Bilirubin Direct	Bilirubin Direct
		Alkaline Phosphatase	Alkaline Phosphatase
		ALT	ALT
		AST	AST

5. Lipid Profile
Cholesterol
Triglyceride
HDL
LDL

7. Calcium Panel
Albumin, Serum Level
Adjusted Calcium
Calcium, Serum Level

6. Iron Study
Iron Serum Level
Total Iron Binding Capacity
Transferrin Saturation Test
Unsaturated Iron Binding Capacity

## Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges

### Complete Blood Count

<b>WBC Count</b>	<b>Male&amp; Female 4 - 11x 10<sup>3</sup> cells/μL</b>
	<b>Children Age 8-13 years: 4.5 - 13.5x 10<sup>3</sup> cells/μL</b>
	<b>Children Age 4-7 years: 5- 17x 10<sup>3</sup> cells/μL</b>
	<b>Children Age 1-3 years: 5.5 - 17.5x 10<sup>3</sup> cells/μL</b>
<b>RBC Count</b>	<b>Male 4.35 – 6.5 10<sup>6</sup> cells/μL</b>
	<b>Female 3.90 - 5.50 10<sup>6</sup> cells/μL</b>
	<b>Children Age 8-13 years: 4 - 5.4x 10<sup>6</sup> cells/μL</b>
	<b>Children Age 4-7 years: 4 - 5.2x 10<sup>6</sup> cells/μL</b>
	<b>Children Age 1-3 years: 3.4 - 5.2x 10<sup>6</sup> cells/μL</b>
<b>Hemoglobin</b>	<b>Male 13.0 – 18.0 g/dl</b>
	<b>Female 12.0 – 16.0 g/dl</b>
	<b>Children Age 8-13 years: 12 - 15 g/dl</b>
	<b>Children Age 4-7 years:10 -15 g/dl</b>
	<b>Children Age 1-3 years: 10-16 g/dl</b>
<b>Hematocrit (PCV)</b>	<b>Male 40-54 %</b>

## DPLM Alphabetical Tests List & Collection Requirements

	<b>Female 37-46 %</b>
	<b>Children Age 8-13 years: 35 – 49 %</b>
	<b>Children Age 4-7 years: 34 – 48 %</b>
	<b>Children Age 1-3 years: 34 – 48 %</b>
<b>MCV</b>	<b>Adult 80-94 fl</b>
	<b>Children Age 8-13 years: 80 - 94fl</b>
	<b>Children Age 4-7 years: 78 - 94fl</b>
	<b>Children Age 1-3 years: 76 - 92fl</b>
<b>MCH</b>	<b>Adult 27 - 31 pg</b>
	<b>Children Age 8-13 years: 26 - 32pg</b>
	<b>Children Age 4-7 years: 23 - 31pg</b>
	<b>Children Age 1-3 years: 23 - 31pg</b>
<b>MCHC</b>	<b>Adult 30 - 35 g/dl</b>
	<b>Children (1-13 years) 32 - 36g/dl</b>
<b>RDW</b>	<b>11.6-14.6 %</b>
<b>Neutrophils (PMN)</b>	<b>Adult 40 - 65 %</b>
	<b>Children Age 8-13 years: 35 - 65 %</b>
	<b>Children Age 4-7 years: 30 - 60 %</b>
	<b>Children Age 1-3 years: 22 - 46%</b>
<b>Bands</b>	<b>0-5 %</b>

### DPLM Alphabetical Tests List & Collection Requirements

<b>Lymphocytes</b>	<b>Adult 25- 40%</b>
	<b>Children Age 8-13 years: 23 - 53 %</b>
	<b>Children Age 4-7 years: 29 - 65%</b>
	<b>Children Age 1-3 years:37 - 73%</b>
<b>Monocytes</b>	<b>Adult 2 - 8%</b>
	<b>Children (1-13 years) 2 - 11%</b>
<b>Eosinophils</b>	<b>0-4%</b>
<b>Basophils</b>	<b>0-1 %</b>
<b>Blasts</b>	<b>0%</b>
<b>Promyelocytes</b>	<b>0%</b>
<b>Myelocytes</b>	<b>0%</b>
<b>Metamyelocytes</b>	<b>0%</b>
<b>Platelet count</b>	<b>150 – 400 x 10<sup>3</sup> / ul</b>
<b>MPV</b>	<b>7.5 – 9.3 fl</b>

## DPLM Alphabetical Tests List & Collection Requirements

### Body Fluid Analysis

<b>Body Fluids/total nucleated cells</b>	<b>Synovial Fluids: Both genders (0 – 200/<math>\mu</math>L)</b>
<b>WBC</b>	<b>Peritoneal/pleural/pericardial: Both genders (0-500/<math>\mu</math>L)</b>
<b>Neutrophils (Body Fluids)</b>	<b>Synovial:&lt;25%</b>
<b>Lymphocytes (Body Fluids)</b>	<b>Variable</b>
<b>Monocytes (Body Fluids)</b>	<b>70%</b>
<b>Body Fluids/RBC</b>	<b>Synovial Fluids: Both gender &lt;1 *10<sup>6</sup>/L</b>

### CSF Analysis

<b>CSF /WBC</b>	<b>Adults 0-5 *10<sup>6</sup>/L</b>
<b>CSF/ Neutrophils</b>	<b>Adults 0-6 %</b>
<b>CSF/ Lymphocytes</b>	<b>Adults 40-80 %</b>
<b>CSF/ Monocytes</b>	<b>Adults 15-45 %</b>
<b>CSF/ RBC</b>	<b>&lt;1 *10<sup>6</sup>/L</b>



## DPLM Alphabetical Tests List & Collection Requirements

### Other Age / Gender/ Circalunar Rhythm Dependent Reference Ranges

Test Name	Reference Range
<b>Prolactin</b>	Males : 4.04-15.2 ng/mL Females: 4.79-23.3 ng/mL
<b>Adjusted Calcium</b>	9 - 10.5 mg/dl (0 - 18) years 8.8 - 10.2 mg/dl (18 -99 ) Year
<b>Follicle Stimulating Hormone</b>	Male: ≤ 12.4 mIU/mL Normally Menstruating Females Follicular Phase: ≤ 12.5 mIU/mL Mid-Cycle Peak: ≤ 21.5 mIU/mL; Luteal Phase: ≤ 7.7 mIU/mL Post-menopausal Females: ≤ 134.8 mIU/mL
<b>Luteinizing Hormone</b>	Normal Males: ≤ 8.6 mIU/mL Normally Menstruating Females: Follicular Phase: ≤ 12.6 mIU/mL Mid-Cycle Peak: ≤ 95.6 mIU/mL; Luteal Phase: ≤ 11.4 mIU/mL Postmenopausal Females: ≤ 58.5 mIU/mL
<b>Amylase(Urine)</b>	α-amylase/creatinine ratio Men: 58-283 U/g Women: 75-390 U/g
<b>Albumin, Level</b>	3.6 - 5.3 g/dl (0 - 18) Year 4 - 5.1 g/dl (18 -99 ) Year
<b>Beta-2-Microglobulin</b>	< 60 years 0.8-2.4 mg/L > 60 years ≤ 3.0 mg/L
<b>Beta Human Chorionic Gonadotropin (Beta-HCG)</b>	Non-pregnant, pre-menopausal at or below ≤ 5.3 mIU/mL Post-menopausal at or below ≤ 8.3 mIU/mL Men ≤ 2.6 mIU/mL
<b>Bilirubin Total Level</b>	0.2 - 0.8 mg/dl (0 - 18) years 0.28 - 1.0 mg/dl (18 -99 ) Year
<b>17-Beta-Estradiol (E2)</b>	Healthy men: 11.3-43.2 Healthy postmenopausal women: < 138 Healthy women Cycle Phase Follicular: 30.9 - 90.4 Ovulation: 60.4 - 533 Luteal : 60.4- 232 Healthy women Cycle Sub-Phase Early follicular: 20.5 - 62.8 Intermediate follicular: 26 - 79.8 Late follicular: 49.5 – 233 Ovulation: 60.4 – 602 Early luteal: 51.1 – 179

### DPLM Alphabetical Tests List & Collection Requirements

	Intermediate luteal: 66.5 – 305 Late luteal: 30.2 – 222
<b>Ferritin Level</b>	Men, 20-60 years: 30-400 ng/mL Women, 17-60 years: 13-150 ng/mL
<b>Gamma-Glutamyl Transferase (GGT)</b>	Males: 18 years: 8-61 U/L Females: 18 years: 5-36 U/L Children: See portal
<b>Immunoglobulin A</b>	Children: See portal. Adult: 61-356 mg/dL
<b>Immunoglobulin E</b>	Neonates : <1.5 Infants in 1st year of life: <15.0 Children aged 1-5 years : <60 Children aged 6-9 years : <90 Children aged 10-15 years : <200 Adults : <100
<b>Immunoglobulin G</b>	Children: See portal Adult: 767-1590 mg/dL
<b>Immunoglobulin M</b>	Children: See portal Adult: 37-286 mg/dL
<b>Iron Level</b>	Males: 50-150 mcg/dL Females: 35-145 mcg/dL
<b>LDL Cholesterol</b>	<b>Children:</b> See portal <b>Adult:</b> Desirable: <100 mg/dL Above Desirable: 100-129 mg/dL Borderline high: 130-159 mg/dL High: 160-189 mg/dL Very high: > or =190 mg/dL
<b>Prostatic Specific Antigen</b>	Age (years) < 40 years : 1.4 ng/mL 40-49 years: 2.0 ng/mL 50-59 years: 3.1 ng/mL 60-69 years: 4.1 ng/mL ≥ 70 years: 4.4 ng/mL
<b>Progesterone Serum Level</b>	Male: 0.20-1.40 Female Follicular :0.20-1.50 Female Ovulation : 0.80-3.00 Female Luteal : 1.70-27.00 Postmenopause : 0.10-0.80"
<b>Reticulocyte Count, Blood</b>	Adult_ 0.2-2%

## DPLM Alphabetical Tests List & Collection Requirements

	Children 0.5 - 4% New born 2- 6%	
<b>Testosterone Total, Level</b>	Healthy Males: 20-49 years: 2.49-8.36 ≥ 50 years: 1.93-7.40 ng/mL Healthy premenopausal Females: 20-49 years: 0.084-0.481 ng/mL ≥ 50 years: 0.029-0.408 ng/mL	
<b>Arterial Blood Gas Plus Extended Critical Care Profile</b>	pCO <sub>2</sub>	Male: 35-48 mmHg Female: 32-45 mmHg
	Total Hb	Male: 13.5-17.5 g/dL Female: 12.0-16.0 g/dL
	pO <sub>2</sub>	83-108 mm Hg
	sO <sub>2</sub>	>95 %
	cK <sup>+</sup>	3.4-4.5 mmol/L
	cNa <sup>+</sup>	136-146 mmol/L
	Ionized Calcium (Ca <sup>2+</sup> )	4.61 - 5.17 mg/dL
	cCl <sup>-</sup>	98-106 mmol/L
	cGlucose	70-105 mg/dL
	cLactate	0.5-1.6 mmol/L
	FO <sub>2</sub> Hb	94-98 %
	FCOHb	0.5-1.5 %
	FMetHb	0.0-1.5 %
	cBase(Ecf)/ SBE	-2 to +2 mmol/L
	HCO <sub>3</sub> <sup>-</sup>	22 – 26 mmol/L
<b>Oxalate 24hr Urine</b>	Male Adult: 7.2- 44.1 Female Adult: 3.6- 28.8 Children: 12.6- 37.8 mg/24hrs	
<b>Magnesium</b>	1.7 - 2.6 mg/dl (0 - 18) years 1.7 - 2.4 mg/dl (18 -99 ) Year	
<b>Phosphorus Level</b>	3.1 - 5.4 (0 - 18) years 2.5 - 4.5 (18 -99 ) Year critical value < 1.0 mg/dL	
<b>Unsaturated Iron Binding Capacity (UIBC)</b>	Females: 135-392 mcg/dL Males: 125-345 mcg/dL	

## DPLM Alphabetical Tests List & Collection Requirements

<b>Urea(Urine)</b>	Female: 282 – 3486 mg/dl Male: 310 - 3300 mg/dl
<b>Urea Level</b>	Children: 15 - 38 mg/dl Male: 17.0 - 45.0 mg/dl Female: 12.0 - 36.0 mg/dl
<b>Uric Acid</b>	Children: 2.5 - 5.9 mg/dl Male: 2.6 – 8.0 mg/dl Female: 2.2 - 6.4 mg/dl
<b>Dehydroepiandrosterone Sulphate Serum (DHEA-S)</b>	Female:µg/L 10 –14 yrs: 33.9 – 280 15 – 19 yrs: 65.1 -368 20 – 24 yrs: 148.0 – 407 25 – 34 yrs: 98.8 - 340 35 – 44 yrs: 60.9 - 337 45 – 54 yrs: 35.4 - 256 55 – 64 yrs:18.9 - 205 65 – 74 yrs: 9.4 - 246 More than 75 yrs: 12.0 – 154  Male:µg/L 10 –14 yrs: 24.4 – 247 15 – 19 yrs: 70.2 – 492 20 – 24 yrs: 211 – 492 25 – 34 yrs: 160 – 449 35 – 44 yrs: 88.9 – 427 45 – 54 yrs: 44.3 – 331 55 – 64 yrs:51.7 – 295 65 – 74 yrs: 33.6 – 249 More than 75 yrs: 16.2 – 123
<b>Inhibin A &amp; B</b>	(0-4)days of LMP :5.46-28.16 , (5-10)days of LMP:7.87-34.54 (11-13)days of LMP :19.49-102.28 ,Day of ovulation:49.92-155.48 (15-17)days of LMP :35.93-132.68 ,(18-25)days of LMP :13.15-159.55 (26-28)days of LMP :7.28-89.95 , IVF peak level:354.2-1690 Postmenopausal : <3.88

## DPLM Alphabetical Tests List & Collection Requirements

### Venous Blood Gas Plus Extended Critical Care Profile

V-PH	7.35-7.45
V-pCO <sub>2</sub>	42 – 50 mm Hg
V-pO <sub>2</sub>	30 - 50 mm Hg
V-sO <sub>2</sub>	65 - 75%
V-HCO <sub>3</sub> <sup>-</sup>	23 – 27 mmol/L
cBase(Ecf)/ SBE	-2 to +2 mmol/L
cK <sup>+</sup>	3.4-4.5 mmol/L
cLactate	0.5-1.6 mmol/L
cNa <sup>+</sup>	136-146 mmol/L
FO <sub>2</sub> Hb	94-98 %
FCOHb	0.5-1.5 %
FMetHb	0.0-1.5 %
Ionized Calcium (Ca <sup>2+</sup> )	4.61 - 5.17 mg/dL
cCl <sup>-</sup>	98-106 mmol/L
cGlucose	70-105 mg/dL
Total Hb	Male: 13.5-17.5 g/dL Female: 12.0-16.0 g/dL

### eGFR

**<18 years old: not calculated**

**>18 years:**

Terms	GFR mL/min/1.73 m
Normal or high	90
Mildly decreased	60 to 89
Mildly to moderately decreased	45 to 59
Moderately to severely decreased	30-44
Severely decreased	15-29
Kidney failure	<15

## **Chapter Five: Transfusion Services (Blood Bank Products)**

<b>Product name</b>	<b>Requirements</b>	<b>Turnaround time</b>	<b>Special Handling</b>
<b>Blood Unit, Cross match &amp; Dispense</b>	<ul style="list-style-type: none"> <li>First time transfusion (No blood Group on LIS): Two EDTA samples for Blood Group and Compatibility testing.</li> <li>Non- First-time transfusion (History of Blood Group is on LIS): One EDTA sample.</li> </ul>	2 Hours	<10 C°
<b>Cryoprecipitate unit</b>	First time transfusion (No blood Group on LIS): Two EDTA samples for Blood Group and Compatibility testing.	2 Hours	Room temperature
<b>Filtered Blood Unit And Dispense</b>	<ul style="list-style-type: none"> <li>First time transfusion (No blood Group on LIS): Two EDTA samples for Blood Group and Compatibility testing.</li> <li>Non- First-time transfusion (History of Blood Group is on LIS): One EDTA sample.</li> </ul>	2 Hours	<10 C°
<b>Filtered Irradiated Single Donor Platelets</b>	First time transfusion (No blood Group on LIS): Two EDTA samples for Blood Group and Compatibility testing.	1 Hour	Room temperature
<b>Fresh Frozen Plasma/Unit</b>	First time transfusion (No blood Group on LIS): Two EDTA samples for Blood Group and Compatibility testing.	2 Hours	Room temperature

### DPLM Alphabetical Tests List & Collection Requirements

Product name	Requirements	Turnaround time	Special Handling
<b>Leukocyte reduced irradiated blood unit</b>	<ul style="list-style-type: none"> <li>First time transfusion (No blood Group on LIS): Two EDTA samples for Blood Group and Compatibility testing.</li> <li>Non- First-time transfusion (History of Blood Group is on LIS): One EDTA sample.</li> </ul>	2 – 3 Hours	<10 C°
<b>Therapeutic Plasma Exchange</b>	First time Exchange (No blood Group on LIS): Two EDTA samples for Blood Group and Compatibility testing.	Call blood bank	Call blood bank
<b>Washed RBC/Unit</b>	<ul style="list-style-type: none"> <li>First time transfusion (No blood Group on LIS): Two EDTA samples for Blood Group and Compatibility testing.</li> <li>Non- First-time transfusion (History of Blood Group is on LIS): One EDTA sample.</li> </ul>	24 hours	<10 C°
<b>Plasma Depleted</b>	Two blood group EDTA tubes if no blood group result on LIS	24 hours	Room temperature
<b>BLOOD IRRADIATION</b>	Call Blood Bank Extension. 1710	2 hour	Room temperature

## Chapter Six: Point of Care

Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
<b>Glucose, Rapid Test</b>	<b>Glu</b>	<ul style="list-style-type: none"> <li>- Acceptable sample size is (1.2 µl)</li> <li>- Capillary whole blood (Finger Stick), venous whole blood, arterial whole blood, neonate heel stick and neonate arterial whole blood specimens.</li> <li>- Venous whole blood/Arterial whole blood for Critically ill patients</li> <li>- Whole blood specimens collected with heparin or Plain (Red top tube).</li> </ul>	<b>Bedside- POC / 24 hours/day</b>	Immediately after collection	<p>FBS: &lt; 110 mg/dl  Random: 70 – 140 mg/dl  Diabetic: &gt; 200 mg/dl  Critical values: &lt; 40 &amp; &gt; 400 mg/dl</p>	<p>Use a safety sterile lancet to puncture the finger (One for each patient)</p> <p>Critical/unusual results should be confirmed before reporting</p>
<b>Hemoglobin, Rapid Test</b>	<b>Hb</b>	<ul style="list-style-type: none"> <li>- Capillary (Obtained by finger stick), anticoagulated venous or arterial whole blood (EDTA or Heparin, no fluoride) may be used for testing.</li> <li>- Volume of sample: 10 µl of whole blood.</li> </ul>	<b>Bedside- POC / 24 hours/day</b>	Immediately after collection	<p>Adult female: 12-16 g/dl  Adult male: 13-18 g/dl  Children:  8-13 years: 12 - 15 g/dl  4-7 years: 10 - 15 g/dl  1-3 years: 10-16 g/dl  Critical values: &lt; 8.0 &amp; &gt; 18.5 g/ g/dl</p>	<p>Use a safety sterile lancet to puncture the finger (One for each patient)</p> <p>Critical/unusual results should be confirmed before reporting</p>
<b>Point of Care, Respiratory Arterial Blood Gas+ Extended Critical Care Profile</b>	<b>POC, RT-ABG+ CCP</b>	Minimum 65 µl dry, electrolyte balanced heparin syringe- under ice	<b>Point of Care/ 24 hours/day</b>	Immediately and within 15 minutes (with or without ice) and not more than 5 minutes for shunt study and elevated leukocyte or platelet count	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	<p>Care must be taken to avoid sample contamination by air</p> <p>Samples with more than 15 minutes at RT or under ice must be rejected</p> <p>Critical/unusual results should be confirmed before reporting</p>



## DPLM Alphabetical Tests List & Collection Requirements

Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
<b>Point of Care, Respiratory Venous Blood Gas+ Extended Critical Care Profile</b>	<b>POC, RT-VBG+ CCP</b>	Minimum 65 µl dry, electrolyte balanced heparin syringe- under ice	<b>Point of Care/ 24 hours/day</b>	Immediately and within 15 minutes (with or without ice) and not more than 5 minutes for shunt study and elevated leukocyte or platelet count	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Care must be taken to avoid sample contamination by air  Samples with more than 15 minutes at RT or under ice must be rejected  Critical/unusual results should be confirmed before reporting
<b>Point of Care , Anesthesia Arterial Blood Gas+ Extended Critical Care Profile</b>	<b>POC, Anes-ABG + CCP</b>	Minimum 65 µl dry, electrolyte balanced heparin syringe- under ice	<b>Point of Care/ 24 hours/day</b>	Immediately and within 15 minutes (with or without ice) and not more than 5 minutes for shunt study and elevated leukocyte or platelet count	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Care must be taken to avoid sample contamination by air  Samples with more than 15 minutes at RT or under ice must be rejected  Critical/unusual results should be confirmed before reporting

## DPLM Alphabetical Tests List & Collection Requirements

Test Name	Abbreviation	Collection Requirements	Performed	Turn Around Time	Reference Range	Special Handling
<b>Point of Care , Anesthesia Venous Blood Gas+ Extended Critical Care Profile</b>	<b>POC, Anes-VBG + CCP</b>	Minimum 65 µl dry, electrolyte balanced heparin syringe- under ice	<b>Point of Care/ 24 hours/day</b>	Immediately and within 15 minutes (with or without ice) and not more than 5 minutes for shunt study and elevated leukocyte or platelet count	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Care must be taken to avoid sample contamination by air  Samples with more than 15 minutes at RT or under ice must be rejected  Critical/unusual results should be confirmed before reporting
<b>RT, Arterial Blood Gas</b>	<b>RT- ABG</b>	Minimum 160 µl, Sodium or Lithium heparinized syringe- under ice	<b>Point of Care/ 24 hours/day</b>	Immediately and within 15 minutes (with or without ice) and not more than 5 minutes for shunt study and elevated leukocyte or platelet count	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Care must be taken to avoid sample contamination by air  Samples with more than 15 minutes at RT or under ice must be rejected  Critical/unusual results should be confirmed before reporting
<b>RT, Venous Blood Gas</b>	<b>RT- VBG</b>	Minimum 160 µl, Sodium or Lithium heparinized syringe- under ice	<b>Point of Care/ 24 hours/day</b>	Immediately and within 15 minutes (with or without ice) and not more than 5 minutes for shunt study and elevated leukocyte or platelet count	Refer to Chapter Four: List of Age / Gender/ Circalunar Rhythm Dependent Reference Ranges	Care must be taken to avoid sample contamination by air  Samples with more than 15 minutes at RT or under ice must be rejected  Critical/unusual results should be confirmed before reporting