

Sl. No.	TEST NAME	METHOD	Sample Type	TAT
1	High Priority Bacterial Infection Detection Panel 1. E. coli 2. Klebsiella pneumonia 3. Pseudomonas aeruginosa 4. Staphylococcus aureus 5. Acinetobacter baumannii	Real Time PCR	Pus/ Urine/ Respiratory Fluid/ Mucus/ Blood/ Sputum	5 hrs
2	Carbapenum Resistance Detection	Real Time PCR	Pus/ Urine/ Respiratory Fluid/ Mucus/ Blood/ Sputum	5 hrs
3	Methicillin Resistant Staphylococcus aureus (MRSA)	Real Time PCR	Pus/ Urine/ Respiratory Fluid/ Mucus/ Blood/ Sputum	5 hrs
4	HBV Quantitative	Real Time PCR	Serum	3 Days
5	HCV Quantitative	Real Time PCR	Serum	3 Days
6	CMV Quantitative	Real Time PCR	Blood /CSF/ Urine	3 Days
7	HSV Quantitative	Real Time PCR	Blood /CSF/ Urine	3 Days
8	EBV Quantitative	Real Time PCR	Blood /CSF/ Urine	3 Days
9	RSV	Real Time PCR	Oropharyngeal/Nasopharyng eal swab	2 Days
10	JEV	Real Time PCR	Serum/CSF	3 Days
11	Human Papilloma Virus [HPV]	Real Time PCR	Blood/ Endocervical Swabs/ Pap smears	3 Days
12	Encephalitis Panel HSV1/2 EBV CMV VZV JEV Enterovirus	Real Time PCR	Blood /CSF/ Urine	3 Days
13	Familial Hypercholesterolemia	Real Time PCR	Blood	1 week
14	BCR-ABL Quantitation (IC in international format)	Real Time PCR	Blood	1 week
15	Lung cancer -EGFR (18,19,20,21 exon mutation)	Real Time PCR	Blood	1 week
16	Colon Cancer KRAS (codon 12, 13 mutation)	Real Time PCR	Blood	1 week
17	JAK 2 mutation	Real Time PCR	Blood	1 week
18	HLA B27 typing	Real Time PCR	Blood	1 week
19	Rapid Infection testing with AMR [Bacteria, Virus, Fungus]	NGS	Blood	3 Days
20	Human Papilloma Virus [HPV] Genotyping	NGS	Blood/ Endocervical Swabs/ Pap smears	3 Days
21	HBV Genotyping	Real Time PCR	Serum	2 weeks
22	HCV Genotyping	Real Time PCR	Serum	2 weeks
23	Noro virus	Real Time PCR	Stool	3 Days

24	CMV	Real Time PCR	Blood /CSF/ Urine	3 Days
25	HSV	Real Time PCR	Blood /CSF/ Urine	3 Days
26	EBV	Real Time PCR	Blood /CSF/ Urine	3 Days
27	HIV Quantitative	Real Time PCR	Serum	3 Days
28	TB	Real Time PCR	CSF/ Serum / Sputum/Other body fluids	3 Days
29	Leptospira	Real Time PCR	Blood/Urine	3 Days
30	Malaria	Real Time PCR	Serum/Smear	3 Days
31	BK JC Virus	Real Time PCR	Serum	3 Days
32	BK Quantitative	Real Time PCR	Serum	3 Days
33	JC Quantitative	Real Time PCR	Serum	3 Days
34	Chlamydia trachomatis	Real Time PCR	Blood/ Endocervical Swabs/ Pap smears	3 Days
35	Respiratory Panel H1N1 Adeno virus HMPV RSV	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
36	Hypotrophic Cardiomyopathy	Real Time PCR	Blood	1 week
37	Pulmonary Hypertension	Real Time PCR	Blood	1 week
38	Imatinib Resistant mutation	Real Time PCR	Blood	1 week
39	Microsatellite instability testing in colorectal cancer	Real Time PCR	Blood	1 week
40	CYP3A5 Genotyping for Tacrolimus	NGS	Blood	2 weeks
41	HBV	Real Time PCR	Serum	3 Days
42	HCV	Real Time PCR	Serum	3 Days
43	HHV-6	Real Time PCR	Blood	3 Days
44	HHV-7	Real Time PCR	Blood	3 Days
45	HHV-8	Real Time PCR	Blood	3 Days
46	HEV	Real Time PCR	Serum	3 Days
47	Brucella	Real Time PCR	Blood, Urine, CSF, Ascitic or Pleural fluid	3 Days
48	Scrub Typhus	Real Time PCR	Blood	3 Days
49	Toxoplasma gondi	Real Time PCR	Blood	3 Days
50	BRCA 1&2	NGS	Blood	1 Month
51	BRCA 1&2	Real Time PCR	Blood	1 week
52	H1N1, Inf A & Inf B	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
53	Dengue Virus	Real Time PCR	Serum	3 Days
54	Chikungunya Virus	Real Time PCR	Serum	3 Days
55	Zika Virus	Real Time PCR	Serum	3 Days
56	Screening of ocular pathogens A) Gram Positive B) Gram negative C) Fungus	Real Time PCR	Vitreous Tap	3 Days
57	Herpes zoster Virus	Real Time PCR	Vitreous Tap	3 Days
58	Acanthamoeba keratitis	Real Time PCR	Vitreous Tap	3 Days

59	Measles	Real Time PCR	Serum	3 Days
60	Rota virus	Real Time PCR	Stool	3 Days
61	Mumps	Real Time PCR	Serum	3 Days
62	Varicella Zoster Virus	Real Time PCR	Serum	3 Days
63	Rubella	Real Time PCR	Serum	3 Days
64	Parvo B 19 Virus	Real Time PCR	Blood	3 Days
65	ACE gene I/D Polymorphism genotype	Real Time PCR	Blood	1 week
Infectious Diseases				
66	HDV	Real Time PCR	Serum	3 Days
67	HAV	Real Time PCR	Serum	3 Days
68	H1N1	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
69	Influenza A virus	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
70	Influenza B virus	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
71	Parainfluenza virus 1	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
72	Parainfluenza virus 2	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
73	Parainfluenza virus 3	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
74	Human Meta pneumo virus	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	3 Days
75	Hanta virus	Real Time PCR	Serum	3 Days
76	Corona Virus	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	3 Days
77	SARS CoV -2	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	6 hrs
78	West Nile Virus	Real Time PCR	Serum	3 Days
79	Enterovirus	Real Time PCR	Serum	3 Days
80	Nipah Virus	Real Time PCR	Serum	3 Days
81	Coxsackievirus	Real Time PCR	Serum	3 Days
82	Crimean-Congo virus	Real Time PCR	Serum	3 Days
83	Monkey Pox Virus	Real Time PCR	Serum	3 Days
84	Adenovirus	Real Time PCR	Stool / Eye wash/Swab	3 Days
Panel based Testing				
Non- Infectious Diseases				
85	Thoracic Aortic Aneurysms and Aortic Diseases	Real Time PCR	Blood	1 week
86	BCR-ABL-7 translocate	Real Time PCR	Blood	1 week
87	PML – RARA	Real Time PCR	Blood	1 week
88	Renal cell Carcinoma (RCC)	Real Time PCR	Blood	1 week

89	Multiple endocrine neoplasia type 1 (MEN1)	Real Time PCR	Blood	1 week
90	HLA B51	Real Time PCR	Blood	1 week
91	IL28B	Real Time PCR	Blood	1 week