



# OTHER MOLECULAR CLINICAL GENOMICS TEST MENU

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Sl. No.	TEST NAME	METHOD	SAMPLE TYPE	TAT
1	Clinical Exome Sequencing	NGS	EDTA Blood 3 ml	4 Weeks
2	Whole Exome Sequencing	NGS	EDTA Blood 3 ml	4 Weeks
3	Fragile X testing	PCR	Whole Blood in EDTA K2 (Lavender top) tube; AF in falcon tube; CVS in transport media	23 Days
4	Friedreich Ataxia Mutation Analysis	PCR	Whole Blood in EDTA K2 (Lavender top) tube	14 Days
5	Huntington Disease Molecular Assay	PCR	Whole Blood in EDTA K2 (Lavender top) tube	13 Days
6	SMN1/2 by MLPA	MLPA	Whole Blood in EDTA K2 (Lavender top) tube	23 Days
7	DMD by MLPA	MLPA	Whole Blood in EDTA K2 (Lavender top) tube	23 Days
8	TPMT Genotyping	PCR	Whole Blood EDTA, Plasma EDTA, Serum	14 Days
9	RB1 by NGS	NGS	Whole Blood/ DNA/ CVS/ Amniotic fluid	23 Days
10	RB1 Gene by MLPA	MLPA	Whole Blood in EDTA K2 (Purple top) tube	23 Days
11	Sanger Validation (1 Variant)	Sanger	Whole Blood in EDTA K2 (Lavender top) tube	4 weeks
12	HBV Quantitative	Real Time PCR	Serum	3 Days
13	HCV Quantitative	Real Time PCR	Serum	3 Days
14	CMV Quantitative	Real Time PCR	Blood /CSF/ Urine	3 Days
15	HSV Quantitative	Real Time PCR	Blood /CSF/ Urine	3 Days

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16	EBV Quantitative	Real Time PCR	Blood /CSF/ Urine	3 Days
17	RSV	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
18	JEV	Real Time PCR	Serum/CSF	3 Days
19	Human Papilloma Virus [HPV]	Real Time PCR	Blood/ Endocervical Swabs/ Pap smears	3 Days
20	Encephalitis Panel HSV1/2, EBV, CMV, VZV, JEV, Enterovirus	Real Time PCR	Blood /CSF/ Urine	3 Days
21	Familial Hypercholesterolemia	Real Time PCR	Blood	1 week
22	BCR-ABL Quantitation (IC in international format)	Real Time PCR	Blood	1 week
23	Lung cancer -EGFR (18,19,20,21 exon mutation)	Real Time PCR	Blood	1 week
24	Colon Cancer KRAS (codon 12, 13 mutation)	Real Time PCR	Blood	1 week
25	JAK 2 mutation	Real Time PCR	Blood	1 week
26	HLA B27 typing	Real Time PCR	Blood	1 week
27	Rapid Infection testing with AMR. [Bacteria, Virus, Fungus]	NGS	Blood	3 Days
28	Human Papilloma Virus [HPV] Genotyping	NGS	Blood/ Endocervical Swabs/ Pap smears	3 Days
29	HBV Genotyping	Real Time PCR	Serum	2 weeks
30	HCV Genotyping	Real Time PCR	Serum	2 weeks
31	Noro virus	Real Time PCR	Stool	3 Days
32	CMV	Real Time PCR	Blood /CSF/ Urine	3 Days
33	HSV	Real Time PCR	Blood /CSF/ Urine	3 Days

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34	EBV	Real Time PCR	Blood /CSF/ Urine	3 Days
35	HIV Quantitative	Real Time PCR	Serum	3 Days
36	TB	Real Time PCR	CSF/ Serum / Sputum/Other body fluids	3 Days
37	Leptospira	Real Time PCR	Blood/Urine	3 Days
38	Malaria	Real Time PCR	Serum/Smear	3 Days
39	BK JC Virus	Real Time PCR	Serum	3 Days
40	BK Quantitative	Real Time PCR	Serum	3 Days
41	JC Quantitative	Real Time PCR	Serum	3 Days
42	Chlamydia trachomatis	Real Time PCR	Blood/ Endocervical Swabs/ Pap smears	3 Days
43	Respiratory Panel- H1N1, Adeno virus, HMPV, RSV	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
44	Hypotrophic Cardiomyopathy	Real Time PCR	Blood	1 week
45	Pulmonary Hypertension	Real Time PCR	Blood	1 week
46	Imatinib Resistant mutation	Real Time PCR	Blood	1 week
47	Microsatellite instability testing in colorectal cancer	Real Time PCR	Blood	1 week
48	CYP3A5 Genotyping for Tacrolimus	NGS	Blood	2 weeks
49	HBV	Real Time PCR	Serum	3 Days
50	HCV	Real Time PCR	Serum	3 Days
51	HHV-6	Real Time PCR	Blood	3 Days

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52	HHV-7	Real Time PCR	Blood	3 Days
53	HHV-8	Real Time PCR	Blood	3 Days
54	HEV	Real Time PCR	Serum	3 Days
55	Brucella	Real Time PCR	Blood, Urine, CSF, Ascitic or Pleural fluid	3 Days
56	Scrub Typhus	Real Time PCR	Blood	3 Days
57	Toxoplasma gondi	Real Time PCR	Blood	3 Days
58	H1N1, Inf A & Inf B	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
59	Dengue Virus	Real Time PCR	Serum	3 Days
60	Chikungunya Virus	Real Time PCR	Serum	3 Days
61	Zika Virus	Real Time PCR	Serum	3 Days
62	Screening of ocular pathogens- Gram Positive, Gram negative and Fungus	Real Time PCR	Vitreous Tap	3 Days
63	Herpes zoster Virus	Real Time PCR	Vitreous Tap	3 Days
64	Acanthamoeba keratitis	Real Time PCR	Vitreous Tap	3 Days
65	Measles	Real Time PCR	Serum	3 Days
66	Rota virus	Real Time PCR	Stool	3 Days
67	Mumps	Real Time PCR	Serum	3 Days
68	Varicella Zoster Virus	Real Time PCR	Serum	3 Days
69	Rubella	Real Time PCR	Serum	3 Days

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70	Parvo B 19 Virus	Real Time PCR	Blood	3 Days
71	ACE gene I/D Polymorphism genotype	Real Time PCR	Blood	1 week
72	HDV	Real Time PCR	Serum	3 Days
73	HAV	Real Time PCR	Serum	3 Days
74	H1N1	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
75	Influenza A virus	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
76	Influenza B virus	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
77	Parainfluenza virus 1	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
78	Parainfluenza virus 2	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
79	Parainfluenza virus 3	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	2 Days
80	Human Meta pneumo virus	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	3 Days
81	Hanta virus	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	3 Days
82	Corona Virus	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	3 Days
83	SARS CoV -2	Real Time PCR	Oropharyngeal/Nasopharyngeal swab	6 hrs
84	West Nile Virus	Real Time PCR	Serum	3 Days
85	Entero Virus	Real Time PCR	Serum	3 Days
86	Nipah Virus	Real Time PCR	Serum	3 Days
87	Coxsackie virus	Real Time PCR	Serum	3 Days
88	Crimean-Congo virus	Real Time PCR	Serum	3 Days
89	Monkey Pox Virus	Real Time PCR	Serum	3 Days
90	Adeno Virus	Real Time PCR	Stool / Eye wash/Swab	3 Days
91	Thoracic Aortic Aneurysms and Aortic Diseases	Real Time PCR	Blood	1 week
92	BCR-ABL-7 translocate	Real Time PCR	Blood	1 week

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93	PML – RARA	Real Time PCR	Blood	1 week
94	Renal cell Carcinoma (RCC)	Real Time PCR	Blood	1 week
95	Multiple endocrine neoplasia type 1 (MEN1)	Real Time PCR	Blood	1 week
96	HLA B51	Real Time PCR	Blood	1 week
97	IL28B	Real Time PCR	Blood	1 week