



Molecular Testing Catalogue

Test Name	Pathogens/Analytes	Estimated TAT
HPV28 Genotyping Panel	<ul style="list-style-type: none"> • High Risk Types: 16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 69, 73, 82 • Low Risk Types: 6, 11, 40, 42, 43, 44, 54, 61, 70 	24Hrs
MTB/MDR Panel	<ul style="list-style-type: none"> • Mycobacterium tuberculosis (MTB) • Isoniazid Resistant M. tuberculosis (INH-R) • Rifampicin Resistant M. tuberculosis (RIF-R) 	3-5 Days
H. pylori & Resistance (Clari)	<ul style="list-style-type: none"> • Helicobacter pylori (HP) • Clarithromycin resistance (A2143G, A2142G and A2142C in the 23S rRNA gene) 	3-5 Days
STI Essential Panel	<ul style="list-style-type: none"> • Chlamydia trachomatis (CT) • Neisseria gonorrhoeae (NG) • Mycoplasma genitalium (MG) • Mycoplasma hominis (MH) • Ureaplasma urealyticum (UU) • Ureaplasma parvum (UP) • Trichomonas vaginalis (TV) 	3-5 Days
Vaginitis Screening Panel	<ul style="list-style-type: none"> • Atopobium vaginae (AV) • Candida albicans (CA) • Candida others (CO) • Gardnerella vaginalis (GV) • Lactobacillus spp. (Lacto) • Mobiluncus spp. (Mob) • Trichomonas vaginalis (TV) 	3-5 Days
Ulcer Pathogen Panel	<ul style="list-style-type: none"> • Herpes simplex virus type 1 (HSV-1), • Herpes simplex virus type 2 (HSV-2), • Haemophilus ducreyi (HD), • Cytomegalovirus (CMV), • Lymphogranuloma venereum (LGV) • Treponema pallidum (TP) • Varicella-zoster virus (VZV) 	3-5 Days
Respiratory Virus Panel	<ul style="list-style-type: none"> • SARS-CoV-2 (S, N, RdRP Genes) • Influenza A virus (Flu A) • Influenza B virus (Flu B) • Human respiratory syncytial virus (RSV) 	3-5 Days
Gastrointestinal Bacteria Panel	<ul style="list-style-type: none"> • Campylobacter spp. (Cam) • Clostridium difficile toxin A/B (CdA/B) • Escherichia coli O157 (E. coli O157) • Salmonella spp. (Sal) • Shigella spp./EIEC[1] (Sh/EI) • Shiga toxin-producing E. coli (stx1/2) • Yersinia enterocoliica (Yer) 	3-5 Days
Celiac Disease Panel	<ul style="list-style-type: none"> • HLA – DQ2 (Heterodimer) • HLA – DQ8 (Heterodimer) • HLA – DR4 (Allele Haplotype) 	3- 5 Days



Oncogenetic Molecular testing Catalogue

Test Name	Analytes/Mutations Screened	Estimated TAT
BRAF Mutations Panel	Mutations Detected: <ul style="list-style-type: none"> • V600E/V600E2 • V600K • V600D/V600D2 • V600A • V600R 	3-5 Days
EGFR Mutations Panel	<ul style="list-style-type: none"> • 31 somatic mutations within exons 18, 19, 20 and 21 of the EGFR gene regions 	3-5 Days
KRAS/NRAS Mutations Panel	<ul style="list-style-type: none"> • 9 KRAS mutations (exons 2, 3 and 4) • 13 NRAS mutations (exons 2, 3 and 4) 	3-5 Days
Somatic Mutations NGS Assay	<ul style="list-style-type: none"> • Covered genes: ALK*, APC, BRAF, EGFR, ERBB2, KRAS, MET, NRAS, PIK3CA, RET*, ROS1*, SMAD4, TP53 • Variants: SNVs, InDels, Fusions*# • Focused analysis of somatic variants includes SNVs and InDels in 10 key cancer associated genes as well as gene fusion detection in 3 cancer driver genes caused by structural variations. Some of the diseases covered by this panel are non-small cell lung cancer, colorectal cancer, melanoma, thyroid cancer, etc. 	5-10 Days
Hereditary Cancer NGS Assay	<ul style="list-style-type: none"> • Covered genes: APC, ATM, BARD1, BLM, BMPR1A, BRCA1, BRCA2, BRIP1, CDH1, CDK4, CDKN2A, CHEK2, EPCAM, MLH1, MRE11A, MSH2, MSH6, MUTYH, NBN, PALB2, PMS2, PRSS1, PTEN, RAD50, RAD51C, RAD51D, SLX4, SMAD4, STK11, TP53, VHL. • Variants: SNVs, InDels, CNVs, MSI* • variant detection of any coding mutation in 31 selected genes associated with an increased risk of hereditary cancer such as hereditary breast and ovarian cancer, Lynch Syndrome, Li-Fraumeni Syndrome, Cowden Syndrome, etc. 	5-10 Days