Infectious Pathogen Catalogue

HPV28 Genotyping Panel

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

TAT: 24Hrs

NTM/MTB Panel

- Mycobacteria Species
- M. tuberculosis

TAT: 3-5 Days

MTB/MDR Panel

- Mycobacterium tuberculosis
- Isoniazid Resistant M. tuberculosis
- Rifampicin Resistant M. tuberculosis

TAT: 3-5 Days

H. pylori & Resistance (Clari) Panel

- Helicobacter pylori **(HP)**
- Clarithromycin resistance **(A2143G, A2142G & A2142C in the 23S rRNA gene)**

TAT: 3-5 Days

Vaginitis Screening Panel

- Atopobium vaginae (AV)
- Candida albicans (CA)
- Candida others (CO)
- Gardnerella vaginalis (GV)
- Lactobacillus spp. (Lacto)
- Mobiluncus spp. (Mob)
- Trichomonas vaginalis (TV)

TAT: 3-5 Days

Ulcer Pathogen Panel

- 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)

TAT: 3-5 Days

STI Essential Panel

- Chlamydia trachomatis (CT)
- Neisseria gonorrhoeae (NG)
- Mycoplasma genitalium (MG)
- Mycoplasma hominis (MH)
- Ureaplasma urealyticum (UU)
- Ureaplasma parvum (UP)
- Trichomonas vaginalis (TV)

TAT: 3-5 Days

Celiac Disease Panel

- HLA – DQ2 (Heterodimer)
- HLA – DQ8 (Heterodimer)
- HLA – DR4 (Allele Haplotype)

TAT: 3-5 Days

Respiratory Virus Panel

- SARS-CoV-2 (S, N, RdRP Genes)
- Influenza A virus (Flu A)
- Influenza B virus (Flu B)
- Human respiratory syncytial virus (RSV)

TAT: 3-5 Days

Fungal Screening Panel

- C. albicans, C. Parapsilosis, S. brevicaulis
- T. rubrum / T. soudanense,
- T. interdigitale / T. mentagrophytes
- T. violaceum, T. tonsurans, T. mentagrophytes
- T. schoenleinii / T. quinckeanum
- T. benhamiae, T. verrucosum
- M. canis, M. audouinii
- E. floccosum, N. gypsea
- Generic dermatophyte DNA

TAT: 3-5 Days

Gastrointestinal Pathogen Panel

- Shigella spp./EIEC
- Campylobacter spp.
- Yersinia enterocolitica
- Vibrio spp.
- Clostridium difficile toxin B
- Aeromonas spp.
- Salmonella spp.
- Shiga toxin
- Enteropathogenic E. coli (EPEC)
- Enterotoxigenic E. coli (ETEC)
- Enteroaggregative E. coli (EAEC)
- E. coli O157
- Hypervirulent Clostridium difficile
- Giardia lamblia (GL)
- Entamoeba histolytica (EH)
- Cryptosporidium spp. (CR)
- Blastocystis hominis (BH)
- Dientamoeba fragilis (DF)

TAT: 3-5 Days

Oncology Catalogue

BRAF Mutation Panel	KRAS/NRAS Mutation Panel	Microsatellite Instability Panel	Somatic Mutations NGS Assay	Hereditary Cancer NGS Assay
Mutations Detected: • V600E/V600E2/ V600K • V600D/V600D2 • V600A/V600R **TAT: 3-5 Days**	Mutations Detected: • 9 KRAS mutations (exons 2, 3 and 4) • 13 NRAS mutations (exons 2, 3 and 4) **TAT: 3-5 Days**	MSI Markers Screened: • EIF4E3 • PPP1CC • PRR5-ARHGAP8 • TAOK3 • IFT140 • UBAC2 • ACVR2A • RBM14-RBM4 **TAT: 3-5 Days**	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 **TAT: 10-15 Days**	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 **TAT: 10-15 Days**