

LAB BARCODE


LABLINK
 MEDICAL LABORATORY

 Molecular Diagnostics Laboratory
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MOLECULAR DIAGNOSTICS LABORATORY (MDL) REQUEST FORM

Patient's Name

IC/Passport No.

Clinic/Hospital Reference No.

Date of Birth (dd/mm/yy)

Age

Gender

☐ M ☐ F

Race

☐ Malay ☐ Chinese ☐ Indian ☐ Other

Specimen Collection Date (dd/mm/yy)

Time of Collection (hh/mm)

AM / PM

Requesting Doctor's Name and Address

STAMP HERE

Doctor's Signature: _____

URGENT: ☐ PHONE _____☐ FAX _____☐ EMAIL _____
RELEVANT CLINICAL INFORMATION
SPECIMEN DETAILS

*Please check (✓) the specimen(s) sent

- | | | | | | |
|--|--|--|--|---|---------------------------------------|
| ☐ SurePath | ☐ Blood in Plain Tube | ☐ CSF | ☐ Nasal Swab | ☐ Nasopharyngeal+ Oropharyngeal Swab (NOS) | ☐ Tissue |
| ☐ LBC | ☐ Blood in EDTA | ☐ Sputum | ☐ Throat Swab | | ☐ Urine |
| ☐ Cervical Swab | ☐ Serum | ☐ BAL | ☐ Nasopharyngeal Swab | ☐ Tracheal Aspirate | ☐ Stool |
| ☐ Genital Swab | ☐ Plasma | ☐ Pleural Fluid | ☐ Oropharyngeal Swab | ☐ NP Aspirate | ☐ Other: _____ |

TEST REQUEST

*Please check (✓) the test(s) required

RESPIRATORY INFECTIONS

- ☐ **61028203** PCR for Respiratory Pathogen Panel; 36 Targets (**PCR36rpp3**)
- ☐ **61020150** PCR for Respiratory Bacterial Pathogen Panel; 7 Targets (**PCRRB1**)

CENTRAL NERVOUS SYSTEM (CNS) INFECTIONS

- ☐ **61020145** Rapid PCR for Meningitis/Encephalitis Panel; 14 Targets (**PCRmeniR1**)
- ☐ **61028160** PCR for Meningitis Viral Pathogen Panel; 12 Targets (**PCRmeni2**)
- ☐ **61028166** PCR for Meningitis Bacterial Pathogen Panel; 6 Targets (**PCRmeni3**)

GASTROINTESTINAL INFECTIONS

- ☐ **61028157** Rapid PCR for Gastrointestinal Panel; 22 Targets (**PCRG11**)
- ☐ **61028162** PCR for Gastrointestinal Viral Pathogen Panel; 6 Targets (**PCRG12**)
- ☐ **61028163** PCR for Gastrointestinal Bacterial Pathogen Panel; 7 Targets (**PCRG13**)

BLOOD-BORNE INFECTIONS

- ☐ **61020136** Rapid PCR for HCV Viral Load (**PCRhcvVLR**)
- ☐ **61040060** Rapid PCR for HBV Viral Load (**PCRhbvQR**)
- ☐ **61020134** Rapid PCR for HIV-1 Qualitative (**PCRhivQLR**)
- ☐ **61020135** Rapid PCR for HIV-1 Viral Load (**PCRhivVLR**)

TROPICAL & EMERGING INFECTIOUS DISEASES

- ☐ **61020146** PCR for Tropical Fever Pathogen Panel; 7 Targets (**PCRfv1**)
- ☐ **61020148** PCR for Dengue Differentiation Panel; 4 Targets (**PCRdenDF1**)
- ☐ **61020149** PCR for Plasmodium (Malaria) Differentiation Panel; 5 Targets (**PCRmpDF1**)
- ☐ **61020071** PCR for Leptospira DNA Detection (**PCRlepto**)
- ☐ **61028196** PCR for Mpox (Monkeypox) Virus DNA Detection (**PCRmpox**)

SEXUALLY TRANSMITTED INFECTIONS

- ☐ **61028159** PCR for STI Essential Screening Panel; 7 Targets (**PCRsti1**)
- ☐ **61028175** PCR for STI Genital Ulcer Panel; 7 Targets (**PCRsti4**)
- ☐ **61020127** PCR for Human Papilloma Virus (HPV) Genotyping; 28 Genotypes (**PCRhpv1**)

INHERITED BLOOD DISORDER

- ☐ **61030090** PCR for Alpha-Thalassemia DNA Detection; 15 Deletions/Mutations (**PCRaThal**)

MYCOBACTERIUM TUBERCULOSIS INFECTIONS

- ☐ **61020115** Rapid PCR for Detection of MTB Complex DNA & Rifampicin-Resistance Associated Mutations (**PCRtbRIFRp**)
- ☐ **61028202** Rapid PCR for Detection of Extensively Drug Resistant (XDR) MTB Complex DNA & Resistance Associated Mutations (**PCRmtbXDRR1**)

OTHER

NOTE: Please refer the details of each panel at the back of this form.

DETAILS OF TEST PANEL

MENINGITIS, CENTRAL NERVOUS SYSTEM (CNS) INFECTIONS

Rapid PCR for Meningitis/Encephalitis Panel, PCRmeniR1 (61020145)

6 Bacterial Targets - *Escherichia coli* K1, *Haemophilus influenzae*, *Listeria monocytogenes*, *Neisseria meningitidis*, *Streptococcus agalactiae*, *Streptococcus pneumoniae*.

7 Viral Targets - Cytomegalovirus, Enterovirus, Herpes Simplex Virus 1, Herpes Simplex Virus 2, Human Herpesvirus 6, Human Parechovirus, Varicella Zoster Virus.

1 Fungal Target - *Cryptococcus neoformans/gattii*.

PCR for Meningitis Viral Pathogen Panel, PCRmeni2 (61028160)

12 Viral Targets - Cytomegalovirus, Epstein-Barr Virus, Adenovirus, Herpes Simplex Virus 1, Herpes Simplex Virus 2, Varicella-Zoster Virus, Enterovirus, Parechovirus, Human Herpesvirus 6, Human Herpesvirus 7 Parvovirus B19, Mumps Virus.

PCR for Meningitis Bacterial Pathogen Panel, PCRmeni3 (61028166)

6 Bacterial Targets - *Neisseria meningitidis*, *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Streptococcus agalactiae* (GBS), *Listeria monocytogenes*, *Escherichia coli* K1.

SEXUALLY TRANSMITTED INFECTIONS

PCR for STI Essential Screening Panel, PCRsti1 (61028159)

6 Bacterial Targets - *Chlamydia trachomatis*, *Neisseria gonorrhoeae*, *Mycoplasma hominis*, *Mycoplasma genitalium*, *Ureaplasma urealyticum*, *Ureaplasma parvum*.

1 Parasitic Target - *Trichomonas vaginalis*.

PCR for STI Genital Ulcer Panel, PCRsti4 (61028175)

4 Viral Targets - Cytomegalovirus, Herpes Simplex Virus Type 1, Herpes Simplex Virus Type 2, Varicella-Zoster Virus.

3 Bacterial Targets - *Lymphogranuloma venereum* (LGV, *Chlamydia trachomatis* Serovar L), *Haemophilus ducreyi*, *Treponema pallidum*.

PCR for HPV Genotyping, PCRhpv1 (61020127)

19 High-Risk HPV Genotype - 16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 69, 73, 82.

9 Low-Risk HPV Genotype - 6,11, 40, 42, 43, 44, 54, 61, 70.

MYCOBACTERIUM TUBERCULOSIS INFECTIONS

Rapid PCR MTB/RIF, PCRtbRIFRp (61020115)

Detection of MTB complex DNA & rifampicin-resistance associated mutations of the *rpoB* gene.

Rapid PCR for MTB & Extensive Drug Resistance (XDR) Detection, PCRmtbXDRR1 (61028202)

Detection of extensively drug resistant (XDR) MTB complex DNA & resistance associated mutations: isoniazid (INH) resistance associated mutations in the *katG* and *fabG1* genes, *oxyR-ahpC* intergenic region and *inhA* promoter; ethionamide (ETH) resistance associated with *inhA* promoter mutations only; fluoroquinolone (FLQ) resistance associated mutations in the *gyrA* and *gyrB* quinolone resistance determining regions (QRDR); and second line injectable drug (SLID) associated mutations in the *rrs* gene and the *eis* promoter region.

INHERITED BLOOD DISORDER

PCR for Alpha-Thalassemia DNA Detection, PCRaThal (61030090)

7 Deletions - Southeast Asian double gene deletion (α^{SEA}), Mediterranean double gene deletion (α^{MED}), Filipino double gene deletion (α^{FIL}), Thai double gene deletion (α^{THAI}), 20.5 kb double gene deletion ($\alpha^{20.5}$), 3.7 kb deletion, 4.2 kb deletion.

8 Mutations - Hb Constant Spring (CD142), Hb Quong Sze (CD125), Hb Adana (CD59), Hb Evora (CD35), Hb Paksé (CD142), Alpha 2-globin gene initiation codon mutation, 3 bp deletion (CD30), HBA2:c.300+34G>A.

RESPIRATORY INFECTIONS

PCR for Respiratory Pathogen Panel, PCR36rpp3 (61028203)

16 Viral Targets - Influenza A (covering H1N1-2009, H7N9, H1N1, H3N2, H5N1), Influenza B (covering Victoria strain & Yamagata strain), Adenovirus (covering group B, C, E), Rhinovirus/ Enterovirus, Parainfluenza Virus 1, Parainfluenza Virus 2, Parainfluenza Virus 3, Parainfluenza Virus 4, Coronavirus NL63, Coronavirus 229E, Coronavirus OC43, Coronavirus HKU1, Respiratory Syncytial Virus A, Respiratory Syncytial Virus B, Human Metapneumovirus, Bocavirus.

16 Bacterial Targets - *Acinetobacter baumannii*, *Bordetella pertussis*, *Chlamydia pneumoniae*, *Escherichia coli*, *Haemophilus influenzae*, *Klebsiella pneumoniae*, *Legionella pneumophila*, *Moraxella catarrhalis*, *Mycoplasma pneumoniae*, *Pseudomonas aeruginosa*, *Rickettsia* spp., *Salmonella*, *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Streptococcus pneumoniae*, *Streptococcus pyogenes*.

4 Fungal Targets - *Aspergillus fumigatus*, *Candida albicans*, *Cryptococcus* spp., *Pneumocystis jirovecii*.

PCR for Respiratory Bacterial Pathogen Panel, PCRRB1 (61020150)

7 Bacterial Targets - *Chlamydia pneumoniae*, *Haemophilus influenzae*, *Streptococcus pneumoniae*, *Bordetella pertussis*, *Bordetella parapertussis*, *Mycoplasma pneumoniae*, *Legionella pneumophila*.

GASTROINTESTINAL INFECTIONS

Rapid PCR for Gastrointestinal Panel, PCRG11 (61028157)

13 Bacterial Targets - *Campylobacter* (*C. jejuni*/*C. coli*/*C. upsaliensis*), *Clostridium difficile* (Toxin A/B), *Plesiomonas shigelloides*, *Salmonella*, *Vibrio* (*V. parahaemolyticus*/*V. vulnificus*/*V. cholerae*) - including specific identification of *Vibrio cholerae*, *Yersinia enterocolitica*, Enterotoxigenic *E. coli* (EPEC), Enteropathogenic *E. coli* (EPEC), Enterotoxigenic *E. coli* (ETEC) *lt/st*, Shiga-like toxin-producing *E. coli* (STEC) *stx1/stx2* - including specific identification of *E. coli* O157, *Shigella*/Enteroinvasive *E. coli* (EIEC).

5 Viral Targets - Adenovirus F 40/41, Astrovirus, Norovirus GI/GII, Rotavirus A & Sapovirus (I,II,IV,V).

4 Parasitic Targets - *Cryptosporidium* spp., *Cyclospora cayetanensis*, *Entamoeba histolytica*, *Giardia lamblia* (also known as *G.intestinalis*/*G.duodenalis*).

PCR for Gastrointestinal Viral Pathogen Panel, PCRG12 (61028162)

6 Viral Targets - Norovirus GI, Norovirus GII, Rotavirus A, Adenovirus F (Serotype 40/41), Astrovirus, Sapovirus (Genogroups G1,2,4,5).

PCR for Gastrointestinal Bacterial Pathogen Panel, PCRG13 (61028163)

7 Bacterial Targets - *Campylobacter* spp., *Clostridium difficile* Toxin B, *Salmonella* spp., *Shigella* spp./Enteroinvasive *E. coli* (EIEC), *Vibrio* spp., *Yersinia enterocolitica*, *Aeromonas* spp.

TROPICAL AND EMERGING INFECTIOUS DISEASES

PCR for Tropical Fever Pathogen Panel, PCRfv1 (61020146)

3 Viral Targets - Chikungunya Virus, West Nile Virus, Dengue Virus.

3 Bacterial Targets - *Salmonella* spp., *Rickettsia* spp., *Leptospira* spp.

1 Parasitic Target - *Plasmodium* spp.

PCR for Dengue Differentiation Panel, PCRdenDF1 (61020148)

Dengue virus serotype 1, Dengue virus serotype 2, Dengue virus serotype 3, Dengue virus serotype 4.

PCR for Plasmodium (Malaria) Differentiation Panel, PCRmpDF1 (61020149)

P. falciparum, *P. vivax*, *P. ovale*, *P. malariae*, *P. knowlesi*.

