

LAB BARCODE



**LABLINK**

**MEDICAL LABORATORY**

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### MOLECULAR DIAGNOSTICS LABORATORY (MDL) REQUEST FORM

Patient's Name

Requesting Doctor's Name and Address

IC/Passport No.

Clinic/Hospital Reference No.

STAMP HERE

Date of Birth (dd/mm/yy)

Age

Gender

M  F

Race

Malay  Chinese  Indian  Other

Doctor's Signature: \_\_\_\_\_

URGENT:  PHONE \_\_\_\_\_

FAX \_\_\_\_\_

EMAIL \_\_\_\_\_

Specimen Collection Date (dd/mm/yy)

Time of Collection (hh/mm)

AM / PM

**RELEVANT CLINICAL INFORMATION**

**\*Please include antimicrobial therapy if any**

**SPECIMEN DETAILS**

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

- |  |  |  |                                      |                                       |                                       |
|--|--|--|--------------------------------------|---------------------------------------|---------------------------------------|
| <input type="checkbox"/> SurePath      | <input type="checkbox"/> Blood in Plain Tube | <input type="checkbox"/> CSF               | <input type="checkbox"/> NP Aspirate | <input type="checkbox"/> Nasal Washes | <input type="checkbox"/> NOS Swab     |
| <input type="checkbox"/> LBC           | <input type="checkbox"/> Blood in EDTA       | <input type="checkbox"/> Sputum            | <input type="checkbox"/> Nasal Swab  | <input type="checkbox"/> OP Swab      | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Cervical Swab | <input type="checkbox"/> Serum               | <input type="checkbox"/> BAL               | <input type="checkbox"/> Throat Swab | <input type="checkbox"/> Stool        |                                       |
| <input type="checkbox"/> Genital Swab  | <input type="checkbox"/> Plasma              | <input type="checkbox"/> Tracheal Aspirate | <input type="checkbox"/> NP Swab     | <input type="checkbox"/> Urine        |                                       |

**TEST REQUEST**

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

**RESPIRATORY INFECTIONS**

- 61028181** PCR for Covid-19 SARS-CoV-2 RNA Detection (PCRcovid19)
- 61028173** PCR for Respiratory Pathogen Panel; 33 Targets (PCR33rpp2)
- 61020150** PCR for Respiratory Bacterial Pathogen Panel; 7 Targets (PCRRB1)
- 61020107** PCR for MERS-CoV RNA Detection (PCRmerCoV)

**MENINGITIS, 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 (PCRGI1)
- 61028162** PCR for Gastrointestinal Viral Pathogen Panel; 6 Targets (PCRGI2)
- 61028163** PCR for Gastrointestinal Bacterial Pathogen Panel; 7 Targets (PCRGI3)

**HEPATITIS & HIV-1 INFECTIONS**

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

**BLOOD DONOR SCREENING**

- 61020070** Nucleic Acid Testing (NAT) for Blood Donor Screening (NAATt, NATbd)

**TROPICAL AND EMERGING INFECTIOUS DISEASES**

- 61020146** PCR for Tropical Fever Pathogen Panel; 7 Targets (PCRfv1)
- 61020148** PCR for Dengue Differentiation Panel; 4 Targets (PCRdenDF1)
- 61020071** PCR for Leptospira DNA Detection (PCRlepto)
- 61028168** PCR for Zika Virus RNA Detection (PCRzikV1)
- 61020149** PCR for Plasmodium (Malaria) Differentiation Panel; 5 Targets (PCRmpDF1)

**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)

**THALASSEMIA**

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

**MYCOBACTERIUM TUBERCULOSIS INFECTIONS**

- 61020115** Rapid PCR for Detection of MTB DNA and Rifampicin Resistance (PCRTbRIFRp)
- 61028153** PCR for MTB and Multi Drug Resistance Detection (PCRmtbMDR1)
- 61028152** PCR for MTB and Non-Tuberculosis Mycobacterium Detection (PCRmtbNTM1)
- 61028155** PCR for MTB and Multi Drug Resistance & Extensively Drug Resistance Detection (PCRmtbXMR1)
- 61028154** PCR for MTB & Extensively Drug Resistance Detection (PCRmtbXDR1)
- 61028180** PCR for MTB and Non-Tuberculosis Mycobacterium Detection for FFPE Tissue Block (PCRmtbNTM2)

**OTHER**

- \_\_\_\_\_

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



LL.7-008  
Version 5  
20-06-2022

## DETAILS OF TEST PANEL

MENINGITIS, CENTRAL NERVOUS SYSTEM (CNS) INFECTIONS
<p><b>Rapid PCR for Meningitis/Encephalitis Panel, PCRmeniR1 (61020145)</b>  <b>Bacterial Targets</b> - <i>Escherichia coli</i> K1, <i>Haemophilus influenzae</i>, <i>Listeria monocytogenes</i>, <i>Neisseria meningitidis</i>, <i>Streptococcus agalactiae</i> &amp; <i>Streptococcus pneumoniae</i>.  <b>Viral Targets</b> - Cytomegalovirus, Enterovirus, Herpes Simplex virus 1 &amp; 2, Human Herpes virus 6, Human Parechovirus &amp; Varicella Zoster virus.  <b>Fungal Target</b> - <i>Cryptococcus neoformans</i>/<i>Cryptococcus gattii</i></p>
<p><b>PCR for Meningitis Viral Pathogen Panel, PCRmeni2 (61028160)</b>                      Cytomegalovirus (CMV), Epstein-Barr virus (EBV), Adenovirus, Herpes Simplex virus 1 &amp; 2 (HSV1&amp;2), Varicella Zoster virus (VZV), Enterovirus, Parechovirus, Human Herpes virus 6 &amp; 7 (HHV6&amp;7) &amp; Parvovirus B19 (B19), Mumps virus.</p>
<p><b>PCR for Meningitis Bacterial Pathogen Panel, PCRmeni3 (61028166)</b>  <i>Neisseria meningitidis</i>, <i>Streptococcus pneumoniae</i>, <i>Haemophilus influenzae</i>, <i>Streptococcus agalactiae</i> (Group B Streptococcus/GBS), <i>Listeria monocytogenes</i> &amp; <i>Escherichia coli</i> K1</p>

SEXUALLY TRANSMITTED INFECTIONS
<p><b>PCR for STI Essential Screening Panel, PCRsti1 (61028159)</b>  <b>Bacterial Targets</b> - <i>Chlamydia trachomatis</i>, <i>Neisseria gonorrhoeae</i>, <i>Mycoplasma hominis</i>, <i>Mycoplasma genitalium</i>, <i>Ureaplasma urealyticum</i> &amp; <i>Ureaplasma parvum</i>  <b>Parasitic Target</b> - <i>Trichomonas vaginalis</i></p>
<p><b>PCR for STI Genital Ulcer Panel, PCRsti4 (61028175)</b>  <b>Viral Targets</b> - Cytomegalovirus (CMV), Herpes Simplex Virus Type 1 (HSV1), Herpes Simplex Virus Type 2 (HSV2), <i>Varicella-Zoster Virus</i> (VZV)  <b>Bacterial Targets</b> - <i>Chlamydia trachomatis</i> serovar L, <i>Haemophilus ducreyi</i>, <i>Treponema pallidum</i></p>
<p><b>PCR for HPV Genotyping, PCRhpv1 (61020127)</b>                      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</p>

MYCOBACTERIUM TUBERCULOSIS INFECTIONS
<p><b>Rapid PCR MTB/RIF, PCRtbRIFRp (61020115)</b>                      Detect <i>Mycobacterium tuberculosis</i> complex (MTBC) and resistance to Rifampicin (RIF) in <i>rpoB</i> gene.</p>
<p><b>PCR for MTB &amp; Multi Drug Resistance (MDR) Detection, PCRmtbMDR1 (61028153)</b>                      Detect <i>Mycobacterium tuberculosis</i> complex (MTBC), detect 7 mutations causing isoniazid resistant in <i>katG</i> gene and <i>inhA</i> promoter region and detect 18 mutations causing rifampicin resistant in <i>rpoB</i> gene.</p>
<p><b>PCR for MTB &amp; NTM, PCRmtbNTM1 (61028152)</b>                      Detect <i>Mycobacterium tuberculosis</i> complex (MTBC) and also Non-tuberculous mycobacterium (NTM) DNA.</p>
<p><b>PCR for MTB &amp; Extensively Drug Resistance (XDR) Detection, PCRmtbXDR1 (61028154)</b>                      Detect <i>Mycobacterium tuberculosis</i> complex (MTBC) DNA, detect 7 mutations causing fluoroquinolone resistant in <i>gyrA</i> gene, 6 mutations causing injectable drugs resistant in <i>rrs</i> gene and <i>eis</i> promoter region.</p>
<p><b>PCR for MTB &amp; Multi Drug Resistance (MDR) &amp; Extensively Drug Resistance Detection, PCRmtbXMR1 (61028155)</b>                      Detect <i>Mycobacterium tuberculosis</i> complex (MTBC) DNA, detect 7 mutations causing isoniazid resistant in <i>katG</i> gene and <i>inhA</i> promoter region, detect 18 mutations causing rifampicin resistant in <i>rpoB</i> gene, detect 7 mutations causing fluoroquinolone resistant in <i>gyrA</i> gene, 6 mutations causing injectable drugs resistant in <i>rrs</i> gene and <i>eis</i> promoter region.</p>
<p><b>PCR for MTB &amp; NTM Detection for FFPE Tissue Block, PCRmtbNTM2 (61028180)</b>                      Detect <i>Mycobacterium tuberculosis</i> complex (MTBC) and also Non-tuberculous mycobacterium (NTM) DNA using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.</p>

BLOOD DONOR SCREENING
<p><b>NAT for Blood Donor Screening (NAATt, NATbd) (61020070)</b>                      HIV-1 RNA, HIV-2 RNA, HBV DNA &amp; HCV RNA</p>

RESPIRATORY INFECTIONS
<p><b>PCR for Respiratory Pathogen Panel, PCR33rpp2 (61028173)</b>  <b>Viral Targets</b> - Influenza A, Influenza B, Influenza C, Influenza A(H1N1) swl, Human Rhinovirus, Human Coronaviruses (NL63, 229E, OC43, HKU1), Human Parainfluenza (1, 2, 3, 4), Human Metapneumoviruses A/B, Human Bocavirus, Human Respiratory Syncytial Viruses A/B, Human Adenovirus, Enterovirus, Human Parechovirus  <b>Bacterial Targets</b> - <i>Chlamydia pneumoniae</i>, <i>Streptococcus pneumoniae</i>, <i>Haemophilus influenzae</i> B, <i>Staphylococcus aureus</i>, <i>Klebsiella pneumoniae</i>, <i>Legionella pneumophila/Longbeachae</i>, <i>Salmonella</i> spp., <i>Moraxella catarrhalis</i>, <i>Bordetella</i> spp. (except <i>Bordetella parapertussis</i>), <i>Haemophilus influenzae</i>, <i>Mycoplasma pneumoniae</i>.  <b>Fungal Target</b> - <i>Pneumocystis jirovecii</i></p>
<p><b>PCR for Respiratory Bacterial Pathogen Panel, PCRRB1 (61020150)</b>  <i>Chlamydia pneumoniae</i>, <i>Haemophilus influenzae</i>, <i>Streptococcus pneumoniae</i>, <i>Bordetella pertussis</i>, <i>Bordetella parapertussis</i>, <i>Mycoplasma pneumoniae</i>, <i>Legionella pneumophila</i>.</p>

GASTROINTESTINAL INFECTIONS
<p><b>Rapid PCR for Gastrointestinal Panel, PCRG11 (61028157)</b>  <b>Bacterial Targets</b> - <i>Campylobacter</i> sp. (<i>jejuni/coli/upsaliensis</i>)- <i>Clostridium difficile</i> (toxin A/B), <i>Plesiomonas shigelloides</i>, <i>Salmonella</i> sp., <i>Vibrio</i> sp. (<i>parahaemolyticus/vulnificus/cholerae</i>) including specific identification of <i>Vibrio cholerae</i>, <i>Yersinia enterocolitica</i>, Enteroaggregative <i>Escherichia coli</i> (EAEC), Enteropathogenic <i>Escherichia coli</i> (EPEC), Enterotoxigenic <i>Escherichia coli</i> (ETEC) <i>lt/st</i>, Shiga-like toxin-producing <i>Escherichia coli</i> (STEC) <i>stx1/stx2</i> (including specific identification of <i>E. coli</i> O157 serogroup within STEC), <i>Shigella/Enteroinvasive Escherichia coli</i> (EIEC)  <b>Viral Targets</b> - Adenovirus F 40/41, Astrovirus, Norovirus GI/GII, Rotavirus A &amp; Sapovirus (I, II, IV &amp; V)  <b>Parasitic Targets</b> - <i>Cryptosporidium</i> sp., <i>Cyclospora cayetanensis</i>, <i>Entamoeba histolytica</i> &amp; <i>Giardia lamblia</i> (also known as <i>G. intestinalis</i>, <i>G. duodenalis</i>)</p>
<p><b>PCR for Gastrointestinal Viral Pathogen Panel, PCRG12 (61028162)</b>                      Norovirus GI, Norovirus GII, Rotavirus A, Adenovirus F, Astrovirus, Sapovirus</p>
<p><b>PCR for Gastrointestinal Bacterial Pathogen Panel, PCRG13 (61028163)</b>  <i>Campylobacter</i> spp., <i>Clostridium difficile</i> toxin B, <i>Salmonella</i> spp., Enteroinvasive <i>E. coli</i> (EIEC)/ <i>Shigella</i> spp., <i>Vibrio</i> spp., <i>Yersinia enterocolitica</i>, <i>Aeromonas</i> spp.</p>

TROPICAL AND EMERGING INFECTIOUS DISEASES
<p><b>PCR for Tropical Fever Pathogen Panel, PCRtf1 (61020146)</b>  <b>Viral Targets</b> - Chikungunya virus, West Nile virus, Dengue virus  <b>Bacterial Targets</b> - <i>Salmonella</i> spp., <i>Rickettsia</i> spp., <i>Leptospira</i> spp.  <b>Parasitic Target</b> - <i>Plasmodium</i> spp.</p>
<p><b>PCR for Dengue Differentiation Panel, PCRdenDF1 (61020148)</b>                      Dengue virus serotype 1, 2, 3 &amp; 4</p>
<p><b>PCR for Plasmodium (Malaria) Differentiation Panel, PCRmpDF1 (61020149)</b>  <i>P. falciparum</i>, <i>P. vivax</i>, <i>P. ovale</i>, <i>P. malariae</i> &amp; <i>P. knowlesi</i></p>

THALASSEMIA
<p><b>PCR for Alpha-Thalassemia DNA Detection, PCRaThal (61030090)</b>                      7 deletions: --SEA, --MEDI, --FIL, --THAI, -(α)<sup>20.5</sup>, 3.7 kb, 4.2 kb                      8 mutations: Hb - CD142, CD125, CD59, CD35, CD142                      HBA2 - c.300+34G&gt;A                      A2 - gene initiation codon mutation                      3 bp deletion - CD30</p>