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NAME OF LABORATORY 3:

**ANTIVIRAL RESEARCH LABORATORY (AVL)
TROPICAL INFECTIOUS DISEASES RESEARCH & EDUCATION CENTRE (TIDREC)
LEVEL 2, HIGH IMPACT RESEARCH (HIR) BUILDING, UNIVERSITI MALAYA,
50603 KUALA LUMPUR, MALAYSIA**

SCOPE OF TESTING: BIOLOGICAL

| Materials/ Products Tested | Type of Test/ Properties Measured/ Range of Measurement | Standard Test Methods/ Equipment/Techniques |
|--|--|--|
| Chemical disinfectants and antiseptics | Virus inactivation assay (Log10 reduction) | UM/AVL/TM-1 based on BS EN 14476:2013+A2:2019 |

* Note: BS - British Standard, EN- European Standard

Signatories:

- 1. Professor Dr. Sazaly Abu Bakar**
- 2. Dr. Pouya Hassandarvish**
- 3. Dr. Eva Tiong Vunjia**

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**VACCINE RESEARCH LABORATORY (VRL)
TROPICAL INFECTIOUS DISEASES RESEARCH & EDUCATION CENTRE (TIDREC)
LEVEL 2, HIGH IMPACT RESEARCH (HIR) BUILDING, UNIVERSITI MALAYA,
50603 KUALA LUMPUR, MALAYSIA**

SCOPE OF TESTING: BIOLOGICAL

| Materials/ Products Tested | Type of Test/ Properties Measured/ Range of Measurement | Standard Test Methods/ Equipment/Techniques |
|---|--|--|
| Chemical disinfectants/ antiseptics and antimicrobial equipment | Antimicrobial assay/ Percent reduction (%) | UM/VRL/TM-1 based on ASTM E2315- 16 |

* Note: American Society for Testing & Materials, E- Miscellaneous Subjects

Signatories:

- 1. Professor Dr. Sazaly Abu Bakar**
- 2. Dr. Lee Hai Yen**

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**SURVEILLANCE LABORATORY (SL 1)
TROPICAL INFECTIOUS DISEASES RESEARCH & EDUCATION CENTRE (TIDREC)
LEVEL 2, HIGH IMPACT RESEARCH (HIR) BUILDING, UNIVERSITI MALAYA
50603 KUALA LUMPUR, MALAYSIA**

**SURVEILLANCE LABORATORY (SL 2)
TROPICAL INFECTIOUS DISEASES RESEARCH & EDUCATION CENTRE (TIDREC)
LEVEL 4, BLOCK O, FACULTY OF MEDICINE, UNIVERSITI MALAYA
50603 KUALA LUMPUR, MALAYSIA**

SCOPE OF TESTING: BIOLOGICAL

| Materials/ Products Tested | Type of Test/ Properties Measured/ Range of Measurement | Standard Test Methods/ Equipment/Techniques |
|---------------------------------------|--|--|
| Blood (serum/plasma) | Detection of dengue antibodies and antigen | UM/SL/TM-2 based on Dengue NS1, IgM and IgG ELISA UM/SL/TM-3 based on Dengue NS1Ag and IgM+IgG Ab fluorescence immunoassay (FIA) Rapid Test |

Signatories:

- 1. Professor Dr. Sazaly Abu Bakar**
- 2. Dr. Teoh Boon Teong**
- 3. Juraina Ab. Jamil**
- 4. Khor Chee Sieng**

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SCOPE OF TESTING: NUCLEIC ACID

| Materials/ Products Tested | Type of Test/ Properties Measured/ Range of Measurement | Standard Test Methods/ Equipment/Techniques |
|---|--|--|
| Blood (serum/plasma) or cell culture materials, materials, synthetic RNA | Detection of dengue virus | In-house method UM/SL/TM-1 based on dengue virus detection and serotyping using DengueDetect® primers Multiplex RT-PCR In-house method UM/SL/TM-4 based on dengue virus detection using Real-Time RT-PCR. |
| Oral and respiratory specimens eg. nasopharyngeal swab (NPS), oropharyngeal swab (OPS), nasal swab (NS), sputum, deep throat saliva or cell culture materials | Detection of SARS-Coronavirus-2 | UM/SL/TM-5 based on SARS-CoV-2 detection using Real-Time RT-PCR |

Signatories:

1. **Professor Dr. Sazaly Abu Bakar**
2. **Dr. Teoh Boon Teong**
3. **Juraina Ab. Jamil**
4. **Khor Chee Sieng**