**APPLICATION FORM FOR SARS-COV-2 SPECIFIC IMMUNOGENICITY ASSAY**

**A. Requested by** (name of contact):

**B. Affiliation** (Name of the Organization/University/Company):

**C. Status** (Academic/Start-up/MSME/Big Pharma Company):

 **D. Contact Details**

Address:

Email :

Phone :

**E. Regulatory compliance**

In case of clinical trial samples, relevant regulatory compliance such as Human Ethical Clearance should be enclosed along with the application

**F. Details of the test specimens (enclose as annexure with the application form)**
1) Specimen type (Whole blood in EDTA tubes, Serum in clotting tubes, Cryopreserved PBMCs):

**Note:** In case of PBMCs, the method used for cryopreservation and cell number need to be mentioned:

2) Number of samples to be tested:

3) IDs/Names of the test specimens (enclose as annexure with the application form):

4) Test requested (Mention the relevant test codes\* by checking the test names and codes below the application form):

**G. Brief write up (no more than 1 page) for the scientific basis for immunogenicity testing with supporting data/literature:**

The client should provide the information regarding the dose, type, mode of administration of the vaccine and number of human subjects / animals (hACE2 transgenic mice) in control and test groups. Any supporting literature and/or data pertaining to the test results should be sent to us. The actual study will begin after receiving informed consent forms (in case of patient test specimens), IAEC and IBSC approval.

**\* Assays and their test codes**

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| **SL. No.** | **Assay** | **Test Code** |
| 1 | COVID IgG antibody test against spike protein | ILS/IM/Human/001 |
| 2 | COVID IgA antibody test against spike protein | ILS/IM/Human/002 |
| 3 | COVID IgM antibody test against spike protein | ILS/IM/Human/003 |
| 4 | COVID IgG antibody test against Nucleocapsid protein | ILS/IM/Human/004 |
| 5 | SARS-CoV-2 pseudo-virus neutralization assay test | ILS/IM/Human/005 |
| 6 | Inflammatory Cytokine profiling test from serum (8-10 cytokines) | ILS/IM/Human/006 |
| 7 | COVID specific B-cell activity test for wild type SARS-CoV-2 virus | ILS/IM/Human/007 |
| 8 | COVID specific B-cell activity test for Delta mutant of SARS-CoV-2 virus | ILS/IM/Human/008 |
| 9 | COVID specific B-cell activity test for Omicron variant of SARS-CoV-2 virus | ILS/IM/Human/009 |
| 10 | COVID specific T-cell (CD4 & CD8) activity test for wild type SARS-CoV-2 virus | ILS/IM/Human/010 |
| 11 | COVID specific T-cell (CD4 & CD8) activity test for Delta mutant of SARS-CoV-2 virus | ILS/IM/Human/011 |
| 12 | COVID specific T-cell (CD4 & CD8) activity test for Omicron variant of SARS-CoV-2 virus | ILS/IM/Human/012 |
| 13 | COVID specific complete PBMC profiling test (38 panel test) | ILS/IM/Human/013 |
| 14 | COVID IgG antibody test against spike protein | ILS/IM/Mouse/014 |
| 15 | SARS-CoV-2 pseudo-virus neutralization assay test | ILS/IM/Mouse/015 |
| 16 | COVID specific T-cell (CD4 & CD8) activity test for wild type SARS-CoV-2 virus | ILS/IM/Mouse/016 |