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| Form: F11-050-03 | Related SOP: 11-006 | Molecular Biology Services Test results report | Replace form: F11-050-02 |

Table 1: viral recovery rate of the LIGC testing system

| Sample repeat | Initial viral TCID ₅₀ | Calculated viral TCID ₅₀ | % Viral recovery |
|---|----------------------------------|-------------------------------------|------------------|
| PC I | 1.26E+07 | 1.29E+07 | 100 |
| PC II | | 1.90E+07 | |
| PC III | | 1.90E+07 | |
| Average calculated viral TCID₅₀ | | 1.7E+07 | 100 |

Initial viral TCID₅₀: the total amount of hCoV-OC43 inoculated by the nebulizer (in 4 ml volume) into the test chamber, as calculated by titration of the viral standard curve wells using the Reed and Much titration formula.

Calculated viral TCID₅₀: TCID₅₀ for each sample wells was calculated by titration using the Reed and Much titration formula, and the values obtained were each normalized to the total volume extracted from each sample air filter (6 ml).

% Viral recovery: the percentage of 'calculated viral TCID₅₀' from the 'initial viral TCID₅₀'

Table 2: electified LIG filter antiviral activity assay results

| Sample | Initial viral TCID ₅₀ | Calculated viral TCID ₅₀ | Viral log reduction | % Virus reduction |
|------------------------------------|----------------------------------|-------------------------------------|---------------------|-------------------|
| PC I - III | 1.26E+07 | 1.70E+07 | NA | NA |
| TEST I | | 1.90E+04 | 2.95 | ≥99 |
| TEST II | | 2.78E+04 | 2.78 | ≥99 |
| TEST III | | 2.78E+04 | 2.78 | ≥99 |
| Average viral log reduction | | | 2.83 | 99.85 |

Initial viral TCID₅₀: the total amount of hCoV-OC43 inoculated by the nebulizer into the test chamber during each sample testing, as calculated by titration of the viral standard curve wells using the Reed and Much titration formula, and normalization to the total volume inoculated by the nebulaizer (4 ml) into the chamber.

Calculated viral TCID₅₀: TCID₅₀ obtained for each sample, as calculated by titration of sample wells using the Reed and Much titration formula, and normalization to the total volume extracted from each sample air filter (6 ml). The PC I-III value is an average of 3 separately calculated TCID₅₀ values (Table 1).

Viral log reduction: obtained per sample by dividing the PC I-III average 'calculated viral TCID₅₀' (i.e. 1.70E+07 = the total viral TCID₅₀ recovered from the system), by the 'Calculated viral TCID₅₀' of each TEST sample, and then calculating the log₁₀ of the obtained value.

% Virus reduction: is determined based on the interpretation of the log results as shown in Table 3

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Table 3: interpretation of results

| Log reduction | Percent (%) reduction |
|---------------|-----------------------|
| ≥1 | ≥90 |
| ≥2 | ≥99 |
| ≥3 | ≥99.9 |
| ≥4 | ≥99.99 |
| ≥5 | ≥99.999 |

Performed by: Dr. Nehemya Friedman (Name & Sign) DATE: 5/31/2021

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