



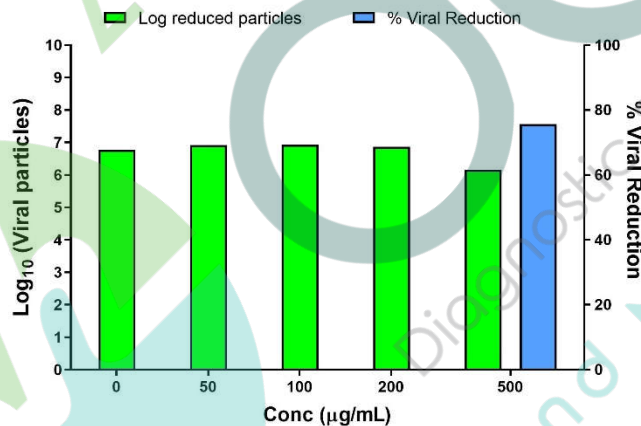
**Anti-viral Testing Report**

Date: 25<sup>th</sup> July, 2021

**Name of the Company:** Zum Heilen Diagnostic and Therapeutics  
**Specifics of Product:** Drug Molecule  
**Name of the virus tested:** SARS-CoV-2  
**Concentrations Tested (µg/mL):** 500, 200, 100, 50, 25.

**Assay Details:**

Assay Performed	Materials used	Manufacturer
Viral RNA Extraction	MagMAX™ Viral/Pathogen Extraction Kit	Applied Biosystems by Thermo Fisher
qRT-PCR	MERIL COVID-19 One- Step RT-PCR Kit	MERIL Diagnostics



**Results:** The molecule showed 75% reduction at 500 µg/ml. The viral particle reduced from  $10^{6.7}$  to  $10^{6.1}$ .

The experiment was done in duplicates and the values were averaged to calculate % viral reduction

The regression equation for viral particles Vs Ct value of the N-gene specific to SARS-CoV2 virus ( $y = -3.8424x + 40.364$ ,  $R^2 = 0.99$ )

(X= Number of viral particles, y=Ct value)

Number of viral particles are calculated using  $X = (40.364 - Ct_{N-gene @ different time points}) / 3.8424$

$$\% \text{ Viral reduction} = \frac{\text{number of viral particles in infection control} - \text{number of viral particles exposed to test substance (test)}}{\text{number of viral particles in infection control}} \times 100$$

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**Scientist-in-charge, CCMB**

**Disclaimers:**

- This report presents only the observations and CCMB does not recommend or endorse the product in any way or make any representation about the efficacy, appropriateness or suitability of the product for any specific uses based on these studies.
- CCMB is neither responsible nor liable for any advice, course of treatment or any other information that is obtained hereafter from this report.
- This is a test report and it may not be considered as a Certificate of Analysis for any purpose
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