

“संस्थान में हिंदी पत्रों का स्वागत है”

इ-मेल/E-mail: minipsingh@gmail.com  
: pgimer@chd.nic.in  
वेबसाइट/website: http://www.pgimer.edu.in  
E-mail: singh.minp@pgimer.edu.in



दूरभाष(O) : 0172-2755199  
(M) : 7087008173  
फैक्स/Fax : (0172) 2744401, 2745078

विषाणु विज्ञान विभाग  
DEPARTMENT OF VIROLOGY

स्नातकोत्तर चिकित्सा शिक्षा एवं अनुसंधान संस्थान, चण्डीगढ़-160 012 (भारत)  
POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH, CHANDIGARH - 160 012 (INDIA)

डॉ. मिनी पी सिंह  
एम. डी, एमएएमएस, एफ. आई. एम. एस. ऐ  
प्राचार्य

Dr. Mini P Singh  
M.D, MAMS, F.I.M.S.A  
Professor

संख्या/No.....  
दिनांक/Dated... 26/6/2020

M/s Genexis Biotech Pvt Ltd.  
LF-16, 4th Floor, Lotus Aura-1,  
Sama-savli Road, Vemali  
Vadodara-390008, Gujarat  
E-mail: info@genexisbiotech.com

Subject: Performance Evaluation Report for the GenVT Viral Transport Kit (Lot No.610021, Exp date: June, 2021) manufactured by Genexis Biotech Pvt Ltd

Sir,

We have evaluated the GenVT Viral Transport Kit (Lot No.610021, Exp date: June, 2021) and Specimen Collection Swab (Lot No. NSB-005, Exp. Date: Not mentioned) manufactured by Genexis Biotech Pvt Ltd.

The final report is attached for your information.

Yours sincerely

Prof Mini P Singh  
Nodal Officer,  
PGIMER, Chandigarh



## Evaluation report of VTM & swabs

**Objective:** To evaluate the performance of Viral Transport Medium (VTM) & swabs

**Kit and Company Name:** GenVT Viral Transport Kit (Lot No.610021, Exp date: June, 2021) manufactured by Genexis Biotech Pvt Ltd.

**VTM:** GenVT Viral Transport Medium (Lot No.610021, Exp date: June, 2021): 3ml in 15ml conical tube, Pink, clear solution

**Swabs:** Nasal Nylon Flocked Specimen collection swab (Lot No.NSB-005, Exp. Date: Not mentioned)

**Methodology:** Ten healthy subjects from the lab were selected and nasal swabs were taken which were inoculated into each of the VTM kit received for the evaluation and the reference standard (HiMedia, Lot no. 0000431454). Out of the 10 VTMs, five were spiked with 100 $\mu$ L of SARS-CoV-2 positive samples (Ct value between 20-25), as per ICMR protocol and kept at 4 °C for 12 hours. RNA was isolated using QIAmp Viral RNA Mini Kit. The five sets of spiked VTMs, non-spiked VTMs (both VTMs i.e. VTM under evaluation & reference standard VTM) were tested for E gene and human RNaseP gene by Real-time PCR assay.

### Results:

#### VTM:

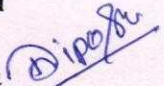
1. Housekeeping gene RNaseP was amplified in all VTMs.
2. Viral target (E gene) amplification was seen in all spiked VTMs.


**Swabs:** Swabs were considered as satisfactory.

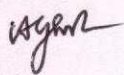
**Conclusion:** The performance of VTM and swabs is satisfactory.

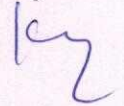
The company shall not publish or use this information related to this evaluation without prior written consent from PGIMER, Chandigarh and ICMR, New Delhi.

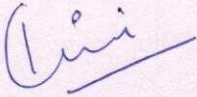
### Kit evaluation team

Dr Dipesh Kumar Verma 

Dr Ritu Gaur 

Dr Arnab Ghosh 

Dr Kapil Goyal 

  
Prof. Mini P Singh