



IIT
Guwahati

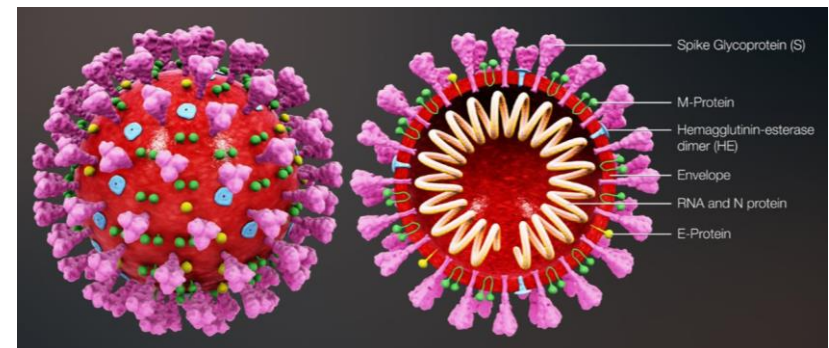


Viral Transport Media (VTM)

Virus Transport Media (VTM) Kit For collection & transportation of clinical specimens containing viruses

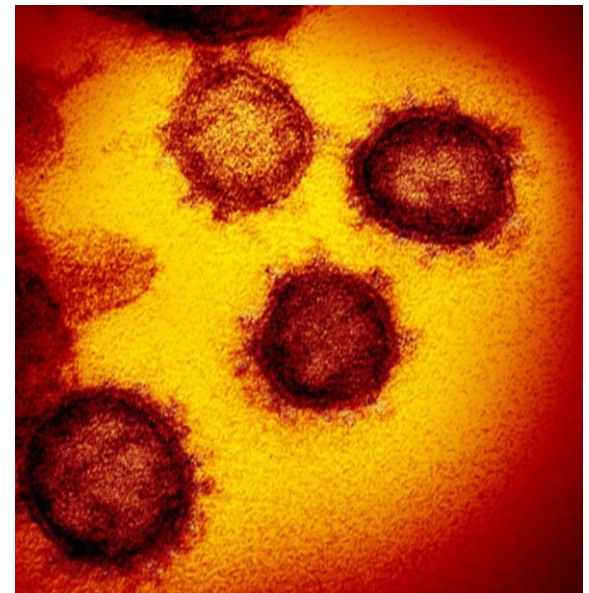
Coronavirus Disease 2019 (Covid-19)

- First reported in Wuhan, China in December 2019 as pneumonia outbreak of unknown cause
- An immediate investigation of clustered cases to identify and control its spread by isolating suspected patients, closely monitoring their contacts
- Scientists in early January 2020 pinpointed a Novel Coronavirus (NCoV) strain
- On 11th March 2020, World Health Organization (WHO) declared Covid-19 as Pandemic



Coronavirus Disease 2019 (Covid-19)

- Covid-19 has acute respiratory stress with symptoms of Fever 100.4⁰ F or higher, Cough, Shortness of breath.
- Symptoms may appear within 2-14 days of exposure
- Aggressive testing is crucial for understanding this disease prevalence and severity
- Sample collection of the symptomatic or suspected patient and transfer to lab for conducting RT-PCR for diagnosis will be key
- Positive patients to be treated & kept in Isolation for controlling spread of Covid-19



About Virus Transfer Media Kit



- Specially designed transport system to collect and transport virus in an active form to the laboratory for isolation & identification
- Designed to maintain the viability and the virulence of the viral sample
- Made of specialized medium containing crypto-protectant protein for maintaining virus viability

1. VTM Media – 15 ml Polypropylene clear conical tube with HDPE cap, containing 3 ml sterile virus transport medium.
2. Sterile Oropharyngeal Swab Stick – 1 unit
3. Sterile Nasopharyngeal Swab Stick-1 unit





Ready to use VTM Kit





Quality Control



- Appearance: Orange to red coloured clear solution
- pH @ 25⁰ C: 7.3 +/-0.5
- Osmolarity in mOsm/kg H₂O: 500.0 to 600.0
- Sterility: Absence of Bacterial or fungal growth



Preparation of Media



Preparation of Media



Activity under Laminar Flow



Preparation of Media



Preparing for Sterilization of Tube



Final Packaging



VTM Kit development at Lab





Approved By:



SPILD Kit is approved by CCMB for ICMR



सी सी एम बी CCMB
 कोशिकीय एवं आणविक जीव विज्ञान केन्द्र
 CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY
 उप्पल रोड, हैदराबाद - 500 007, भारत
 Uppal Road, Hyderabad - 500 007, India



Performance of VTM and swabs

Validation Center : CSIR-Centre for Cellular and Molecular Biology, Hyderabad
 VTM supplied by RR Animal Health Care Ltd & IIT Guwahati.
 Address Plot No-49, Road Number 2, Bandlaguda, 50, Adarsh Nagar Colony Rd., Adarsh Nagar Colony, Nagole, Hyderabad, Telangana 500068
 Batch Number : IR-VTM 106/06/20
 Components of the Kit supplied : Capped VTM containing plastic tubes and sealed swabs
 Performance of the VTM and swabs as per the SoP provided by ICMR
 RNA extraction was done as per the kit supplier protocol (Qiagen)

		Concordance with IC	Concordance with target
Unspiked	5	100%	100%
Spiked	5	100%	100%

Remarks:

The VTM kit and the swabs are satisfactory in their performance. They show complete concordance as expected of the treatments. The tubes and the swabs are of good quality and leak proof.

Signature:
 Signed by **डॉ. राकेश के मिश्रा Dr. Rakesh K Mishra**
 निदेशक Director
 कोशिकीय एवं आणविक जीव विज्ञान केन्द्र
 CSIR - Centre for Cellular & Molecular Biology
 उप्पल रोड, हैदराबाद - 500 007
 Uppal Road, Hyderabad - 500 007

फैक्स अंतरराष्ट्रीय भारत +91-40-27160591, 27160311 दूरभाष +91-40-27160222-41 तार बायोसेन्टर
 वेब साइट http://www.cmb.res.in वेबसाइट
 फैक्स International India +91-40-27160591, 27160311 वेब साइट http://www.cmb.res.in वेबसाइट
 तार Telegram BIOCENTRE



icmr
 INDIAN COUNCIL OF MEDICAL RESEARCH
 Serving the nation since 1911



Developed jointly by:



IIT Guwahati



Thank You



Plot No. 49 & 50, Adarsh Nagar Colony, Road No. 2,
Nagole, Hyderabad- 500 068, India.
Customer care : Ph:+91 9000956706
Email : customercare@rrahc.in

Follow us on:

