



आई सी एम आर - राष्ट्रीय विषाणु विज्ञान संस्थान

भारतीय आयुर्विज्ञान अनुसंधान परिषद

स्वास्थ्य अनुसंधान विभाग

स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार

**ICMR - NATIONAL INSTITUTE OF VIROLOGY**

**Indian Council of Medical Research**

Department of Health Research

Ministry of Health & Family Welfare, Govt. of India

20 - ए. डा. आंबेडकर मार्ग, पोस्ट बॉक्स संख्या 11, पुणे - 411 001, भारत. 20-A. Dr. Ambedkar Road, Post Box No. 11, Pune 411 001, India.

Tel. : NIV Camp +91-020-26127301, 26006290, Fax : 26122669, 26126643 / NIV Pashan +91-020-26006390 Fax : No. 25871895 / 25870640

E-mail : director.niv@icmr.gov.in Website : www.niv.co.in

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Ms. Suparshva Swabs India [Tulip]

Subject: Performance Evaluation Report for the Polyester swabs from Suparshva swabs India [Tulip]

Sir

We have evaluated the Polyester swabs from Suparshva swabs India [Tulip]. The final report is attached for your information.

Yours sincerely

Prof. Priya Abraham

Director

विश्व स्वास्थ्य संघटन

उभरते वायरल संक्रमणों का सहयोग केन्द्र

राष्ट्रीय शीतज्वर केन्द्र

पोलिओ, खसरा एवं रुबेला के लिए रेफरल प्रयोगशाला



**WORLD HEALTH ORGANIZATION**

Collaborating Centre for Emerging Viral Infections

National Influenza Centre

Referral Lab for Polio, Measles and Rubella

**Evaluation report for swabs**

**Objective:** To evaluate the performance of nasal/throat swabs

**Company Name:** Suparshva swabs India [TULIPS]

**Swab material:** Polyester swabs

**Methodology:** Throat swab samples were collected from thirty healthy individuals. Throat swabs of each individual were transferred in to a VTM tube (HiMedia). Five tubes were spiked with 100 µl of a strong SARS-CoV-2 positive sample and all tubes were kept at 4°C for 12 hrs to mimic sample transit time. RNA was extracted and processed for detection of viral genes (E, ORF1b and RdRp genes) and human RNaseP gene (internal control) using ICMR-NIV assay.

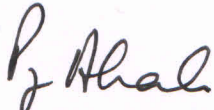
**Results:**

- 1) Viral target amplification was seen in all the five tubes spiked with SARS-CoV-2 positive sample
- 2) Amplification of internal control was noted in all thirty collected samples.

The swabbed individuals did not report any discomfort during the swabbing process.

**Conclusion:**

**The polyester swabs were considered as satisfactory since host target gene was detected in all samples, while virus target genes were detected in all five virus spiked samples.**



Prof. Priya Abraham

Director

ICMR-NIV

For kit evaluation team

Dr. K. S. Lole



Dr. K. Alagarasu



Dr. V. A. Potdar

