Update on Covid-19 Testing Lab.

1. Cumulative number of samples tested by RT-PCR assay till 21. 07.2021: 129512

2. Sequencing report of RT-PCR positive samples tested in Covid-19 testing lab, DUVASU, Mathura and sent to KGMU, Lucknow and CSIR-IGIB, New Delhi for sequencing:

(i) SARS- CoV-2 Spike Gene Sequencing, KGMU, Lucknow dated 23.03.2021: E484k South African mutant reported in one positive sample.

(ii) Whole Genome Sequencing (WGS), CSIR-IGIB, New Delhi: B.1.617.2 mutant reported in 48 positive samples and B.1.617.3 mutant reported in one positive sample.

3. One Automated 96-well RNA-Extraction machine and one Real-Time PCR machine installed in Covid -19 Testing Lab, DUVASU in June 2021 from the grant received from 'Vidhayak Nidhi' by Hon'ble UP Energy Minister Shri Shrikant Sharma ji.

4. Visit of District Magistrate Sh. Navneet Singh Chahal, SSP Dr. Gaurav Grover, CDO Sh. Nitin Gaur and CMO Dr. Rachna Gupta with Hon'ble Vice Chancellor, DUVASU, Dr. G K Singh and Dean, COVS & AH, DUVASU Dr. P K Shukla to Covid-19 Testing Lab, DUVASU, Mathura on 07.07.2021.

Update on Covid-19 Testing Lab.

Cumulative number of samples tested by RT-PCR assay till 28. 02.2021: 70792.

KGMU, Lucknow QC:

Covid-19 Testing Lab, Mathura got 100% concordance in positive and negative samples tested for Covid-19 by RT-PCR and sent for QC to KGMU, Lucknow as per ICMR LQC guidelines dated 16.10.2020 and 7.12.2020.

ICMR-WHO EQA:

Covid-19 Testing Lab, Mathura got 100 % concordance in ICMR- WHO EQA testing as quality check for RT-PCR testing in samples received from NIV, Pune as WHO SARS-CoV-2 Panel (Simulated Respiratory samples) dated 24.02.2021.

COVID-19 TESTING LABORATORY

DUVASU, MATHURA

RT-PCRbased COVID-19 Testing Laboratory was established in the Department of Veterinary Microbiology, College of Veterinary Science and Animal Husbandry, DUVASU, Mathura under the directions of Govt. of UP and guidance of Hon'ble Prof. G K Singh, Vice Chancellor, DUVASU after getting approval from ICMR, New Delhi and DGME, UP. It is the fifth laboratory established by any Veterinary Institute in the country, second to be established in State of UP and only one by any Veterinary/Agricultural State University.

The laboratory was established by renovating existing facilities in the Department of Veterinary Microbiology as BSL-2 laboratory and arranging some instruments from different departments of the University and procuring few others. The laboratory has Biosafety Class II A2 cabinets, refrigerated centrifuge, thermo-shaker, -80^0C deep freezer and real time PCR machines along with autoclaves, refrigerators, deep freezers, computers etc.

The teaching faculty and supporting staff from different departments were attached to the laboratory along with few technical staff outsourced for the laboratory work.Dr. Rashmi Singh, Professor and Head, Department of Veterinary Microbiology was designated as Nodal Officer of the laboratory. The faculty associated with the laboratory have been Dr. Brijesh, Dr. Barkha, Dr. Udit, Dr. Neeraj, Dr. Ajay, Dr. Vikrant, Dr. Raj Kumar, Dr. Ruchi, Dr. Vinod, Dr. Parul, Dr. Jitendra, Dr. Avinash and Dr. Yajuvendra.

The laboratory became operational on 08.06.2020 after obtaining Quality Certification from KGMU, Lucknow, Nodal Laboratory, UP and started testing samples from Mathura district initially with fifty samples per day which has been scaled up to 400 samples per day as of

today.Till date 28275 samples have been tested. The laboratory is receiving testing kits from ICMR / KGMU and consumables from DM Covid fund for functioning. However, the manpower expenditure is being borne by the University.

Visit of Mr. Bhuvnesh Kumar, Principal Secretary, Animal Husbandry, UP during establishment of Covid-19 testing Lab, DUVASU with Vice Chancellor Prof. G. K. Singh and Dean COVS, Prof. S. K. Garg

Vice Chancellor Prof. G. K. Singh and Dean, COVS Prof. R. Nigam with the team of Covid-19 Testing Lab, DUVASU

Glimpses of different laboratories of Covid-19 Testing Lab, DUVASU, Mathura