

**WEBINAR
2021**



**INDIAN SOCIETY OF
ANALYTICAL SCIENTISTS**

TALK OF THE DAY

**SALINE GARGLE RT-PCR TEST FOR COVID 19
AS DEVELOPED BY CSIR-NEERI**



Dr. Krishna Khairnar

Scientist and Head, Environmental Virology Cell
CSIR-NEERI, Nagpur



Chief Guest

Prof. G.M. Nair
Hon. Director, CLIF,
University of Kerala

Former Dean, Central University of Kerala



Dr. P.P. Chandrachoodan
President, ISAS



Dr. Rajeev Raghavan
Vice President, ISAS
Chairman, Webinar Committee

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SALINE GARGLE RT-PCR TEST FOR COVID 19

A new method for COVID 19 testing has been developed by the Nagpur-based National Environmental Engineering Research Institute (NEERI). The Indian Council of Medical Research has approved a do-it-yourself version of the RT-PCR test that can give the result in just three hours. The Saline RT-PCR method does not require the swab samples collected from the nose and throat of patients. Therefore, it does not require a skilled healthcare worker to collect the swab sample and can be self-collected. The Saline RT-PCR kit comes with a tube containing saline. One needs to put this solution into the mouth and gargle for 15 seconds. Then one has to spit the liquid back into the tube and send this for testing. Innovative Patient-Friendly Saline Gargle RT-PCR Testing Method is Simple, Fast, No Swab, Economical, Get Result within 3 Hours, Suitable for Rural and Tribal Areas

Dr. Krishna Khairnar did Masters in Microbiology from Nagpur University, Nagpur, India. He was awarded gold medal in postgraduate Microbiology by Nagpur University for securing first rank in the University. Dr. Khairnar later pursued PhD in Medical Microbiology from Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry, India; and further pursued post-doctorate from Public Health Ontario, Ministry of Health and Long Term Care, Toronto, Canada. During postdoctoral research in Canada, Dr. Khairnar was awarded Ministry of Research and Innovation Award. Dr. Khairnar's doctoral and post-doctoral work was focused on molecular diagnostics of infectious diseases of protozoan and other microbial etiology. Currently, Dr. Khairnar is working as a Senior Scientist and Head at Environmental Virology, CSIR-National Environmental Engineering and Research Institute, Nagpur, India. His main interest(s) are understanding the potential of bacteriophage and bacteriophage encoded products as antibacterials in the regime of antimicrobial drug resistance; Bacteriophages as interplaying microbial control in the environment; and microbial disinfection system