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Praj loans high end system to A.G. Diagnostics for quick detection of coronavirus

As the Covid19 virus spreads across the world, it becomes increasingly important to implement accurate laboratory methods to detect, track and study the coronavirus.

The COVID-19 RT-PCR test is a reverse transcription polymerase chain reaction to detect nucleic acid from SARS-CoV-2 in physiological samples. Use of high end RT-PCR kit in a programmable RT-PCR machine to reduce testing evaluation time is recommended across the world. This calls for specialized infrastructure that trained personnel can program and operate.

Praj Matrix delivered and successfully installed RT-PCR system at A.G. Diagnostics Laboratory, one of the select laboratories authorized to conduct COVID 19 testing in Pune. Loaned at the guidance of our Chairman Mr. Pramod Chaudhari. the instrument will help A.G. Diagnostics cater to the ever-increasing load of the samples for diagnosis. A graphical representation of how RTPCT test COVID19 is attached.

The real time RT-PCR technique is highly sensitive, specific and can deliver a reliable diagnosis within three hours, where other laboratories take between 6 to 8 hours. Compared to other available virus isolation methods, real time RT-PCR is significantly faster and has a lower potential for contamination or errors as the entire process can be done within a closed tube. It continues to be the most accurate method available for detection of the coronavirus.

While real time RT-PCR is the most widely used method for detection, many countries still need support in setting up and using the technique. Praj is therefore privileged to go beyond business and help make a positive impact to the health and well being of society at large.

