

Name of equipment: Real-Time PCR

Make: Roche

Model: Light Cycler® 480 Instrument II

Working Principal: Real-Time PCR (qPCR) monitors the amplification of a targeted DNA molecule during the PCR. Two common methods for the detection of PCR products in real-time PCR are: (1) non-specific fluorescent dyes (SYBR Green) that intercalate with any double-stranded DNA, and (2) sequence-specific DNA probes (eg. Taqman) consisting of oligonucleotides that are labelled with a fluorescent reporter which permits detection only after hybridization of the probe with its complementary sequence.

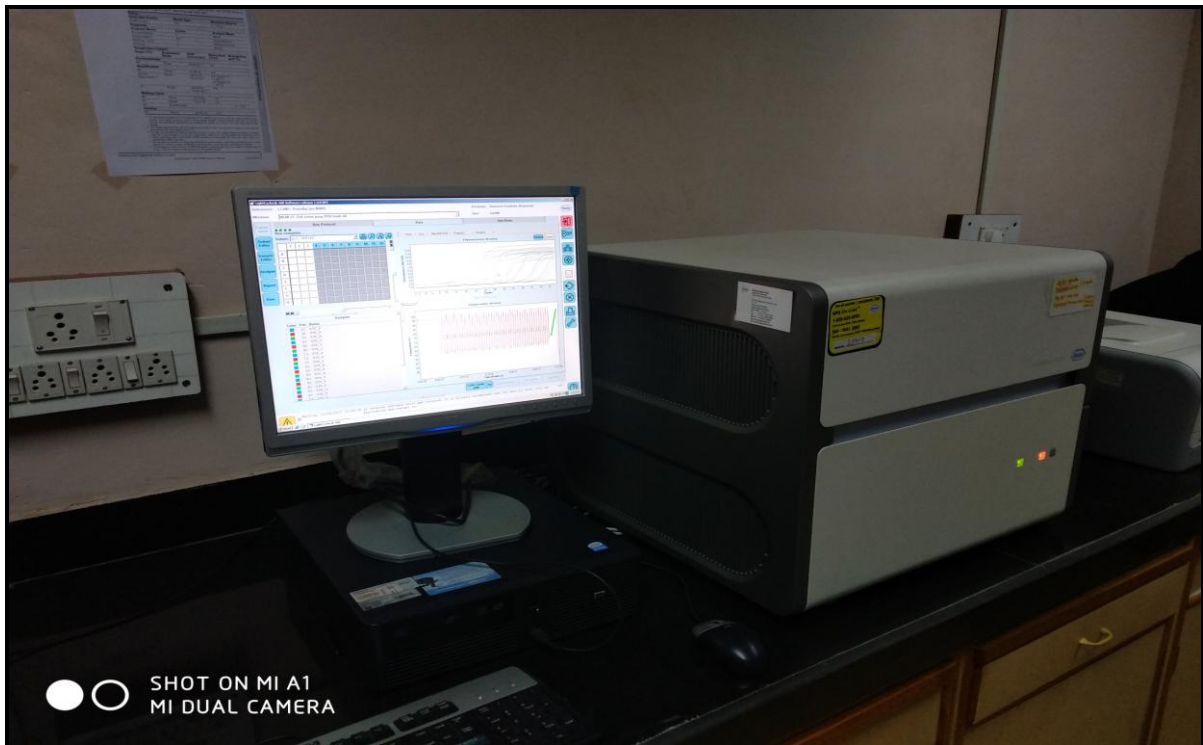
Application of Equipment: The most common applications of Real Time PCR are

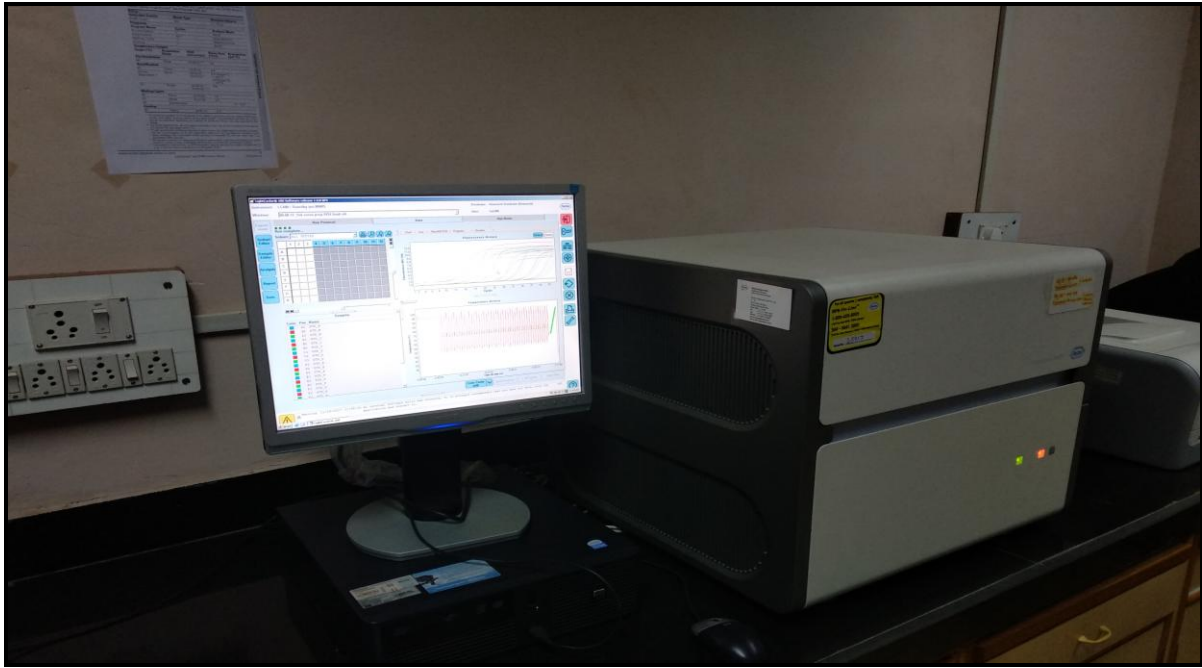
1. Relative and absolute quantification of Gene Expression
2. Melting curve genotyping
3. Diagnostic uses eg. Identification and quantification of pathogens

Instruction for Use:

Contact Details:

Fees for Use: (Please put tentative fees for use we may have to approach ICMR for approval)





Contact Details:

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