

CCRF HANDS-ON WORKSHOP SERIES-I

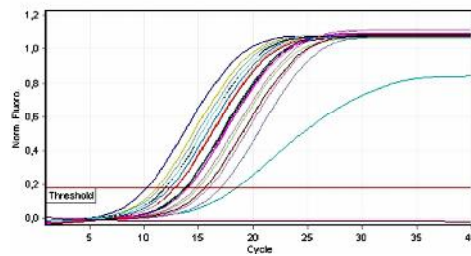
Hands-on Training in Polymerase Chain Reaction (PCR), RT-PCR & Real-Time PCR Technique: Application in Diagnostics & Research



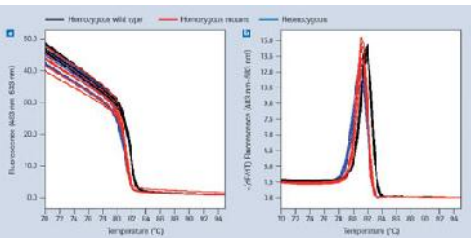
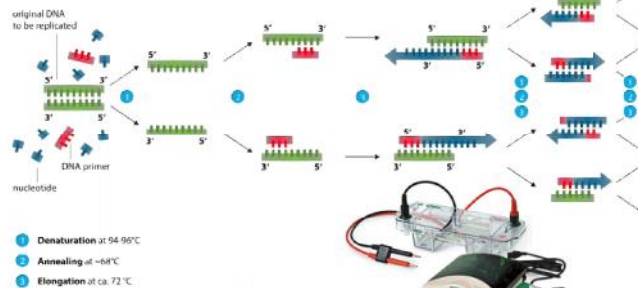
**Two Days Hands-on Workshop
on
27th-28th February, 2020
Venue: General Facility, CCRF, 9th Floor,
Convergence Block, AIIMS, New Delhi**



Quantitation data for Cycling A.Orange



Polymerase chain reaction - PCR



Purpose of Workshop

PCR and Real-Time PCR are basic techniques of molecular biology widely used in research and diagnosis. The aim of this workshop is to orient basic researchers and clinicians on the principles, working and applications of PCR, Reverse Transcriptase PCR (RT-PCR), Real-Time PCR along with procedures of DNA & RNA isolation. This training will enable the researchers/clinicians to gain expertise to use these equipment in CCRF facility and further to ensure technology transfer in the lab of individual clinicians/researchers.

What is Included?

The workshop will cover hands-on training & basics of molecular techniques including:

- Principles of DNA & RNA isolation using different biological samples.
- Primer designing for PCR and Real-Time-PCR.
- Overview of PCR, RT-PCR and Real-Time PCR.
- Hands-on training on DNA, RNA isolation and cDNA preparation.
- Hands on training on agarose gel electrophoresis & gel documentation.
- Applications of PCR and Real Time PCR in different fields of medical research.
- Data analysis and interpretation.

Who Should Participate?

Open for students, researchers, residents and faculty of AIIMS, New Delhi only

Free Registration

Limited to 20 participants only on first come first serve basis (Last date for registration is 24th February, 2020)

How to Apply?

For Registration for workshop, scan QR code or visit link:

<https://forms.gle/gRwPuFw3zLmAmf1A7>

For detailed Information:

<http://www.ccrf.aiims.edu>

Or email to: < generalfacility.ccrf@gmail.com >



Organiser:
General Facility, CCRF
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