

## THERMOCYCLER: GRADIENT

### Specifications:

#### Gradient

- Block with capacity of 96 x 0.2 ml, 8-tube strips and 96 well plates.
- Technology to minimize the sample evaporation is preferable
- The sample is to be protected against heat transfer during the initial heating to avoid mis-priming and non-specific amplification
- Gradient block with selectable temperature gradient from 1° C to 24° C or better.
- Gradient should be available in 12 wells across the block.
- Programming of gradient function, adjustable ramp rate, time and temperature increment, incubation mode, link function, pause function.
- Option for auto restart in the event of power failure.
- Peltier array based heating and cooling.
- Variable Ramp rate of heating up to 6° C/Sec and cooling 5° C/Sec or better with silver block
- Temp. Control range: 4° to 99.9° C and a gradient range of up to 24° C.
- Thermal Accuracy:  $\pm 0.2^{\circ}$  C to  $0.3^{\circ}$  C.
- Thermal Uniformity should be  $\pm 0.4^{\circ}$  C at 90° C
- Provision for storing user methods
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#### Other requirements:

- Provide suitable UPS with minimum of one hour power backup.
- System should be licensed and authorized for PCR Application
- Comprehensive 3 years warranty + 2 years free AMC
- Additional features/accessories if any that can potentially increase the productivity and safety of this instrument should be quoted as optional items.
- Prompt after sale service should be available