

SPECIFICATION FOR THERMAL CYCLER WITH ACCESSORIES

- **System to provide on line Cycle by Cycle monitoring with continuous display of readings for fluorescence, temperature changes, progression of amplification.**
- **Excitation with long shelf life light emitting source.**
- **System to have a minimum of four detection channels.**
- **Should be able to detect common dyes – Sybr Gxen, Fluorescein etc.**
- **Loading capacity of at least 16 samples.**
- **Temperature to have an accuracy of at least $\pm 0.3^{\circ}$ C**
- **Multi color analyzing facility with multiplexing capability.**
- **All reagents should be available for at least 5 years with appropriate licensing rights.**
- **Application software/ probes & primer design software should be there.**
- **Suitable UPS with 30 – 60 minutes back up.**