

DAV University invites bids for the following items:

**1 Thermocycler (PCR Machine)**

**2 High Speed Refrigerated Micro Centrifuge**

Kindly send us the rates/quotations as per specifications by August 8, 2016 in Sealed Envelope superscribing "Quotations for **Thermocycler (PCR Machine) and High Speed Refrigerated Micro Centrifuge**" through Registered/Speed Post or By Hand at the following address:

**Terms & Condition:**

01. Rates should be F.O.R. Any floor, Any Block, DAV University, Sarmastpur, Jalandhar, including taxes.
02. University reserve the right to increase/decrease the quantity of items or to cancel the bid at any point of time without any reason / notice.
03. If the received Quotations/bids which are not as per the specification/terms will be rejected without any notice.

**Specifications:**

**Thermocycler (PCR Machine)**

- Universal Block for 96x0.2ml PCR Tubes;
- Heating and cooling via Peltier technology
- Temperature control range: from 4 °C to 99°C
- Lid Temperature range: 37 - 110 °C
- Block Temperature Accuracy:  $\pm 0.5$  or better
- Heating Rate should be at least 3 Degree per second or more
- System should be with gradient facility so as to be able to standardize the annealing temperature for a new primer pair
- System should be with 2 yrs warranty
- Should be provided with a UPS to support running the machines under power failure for at least 40 min
- **Authorized system for carrying out PCR (licensed technology)**

**High Speed Refrigerated Micro Centrifuge**

- Fully automated refrigerated micro centrifuge for fast pelleting of DNA; RNA and proteins with Microprocessor based control system.
- Maximum speed- up to 13-14000 rpm
- Maximum RCF – up to 17-18000 G.
- Temperature setting range from 4° to 30 ° C with 1° C increments.
- Variable speed and time period settings
- CFC Free refrigerant
- LED display temperature; speed and time at a glance.
- Acceleration / Deceleration characteristics preset speed settings.
- momentary spin with FLASH key
- PRE-cooling function
- Safety Devices- Lid interlock; abnormal speed detector; Lid open/close detector; Imbalance detector; Motor over current detector; over current circuit breaker; abnormally high or low chamber temperature detector.
- Rotor – 24 x 1.5/2 ml with aerosol tight click seal lid to minimize damage due to broken or leaking tubes
- Optional Accessories- 0.2 ml adapters.
- CSA certified, CE marked, Certified Biosafety.