

List of instruments

1. **Ultraviolet Cross linker**

Specification:

1. The instrument should work for cross-linking DNA or RNA.
2. It should take less than 15 minutes to bind DNA or RNA to nitrocellulose, nylon, or nylon-reinforced nitrocellulose membranes.
3. It should be suitable for DNA nicking in agarose gels or for sterilizing samples.
4. It should have LED display and touch-pad programming.
5. It should have UV exposure output atleast 120,000 microjoules or 5 minutes; maximum UV energy setting of 999,900 microjoules per cm² and power efficiency of 8 watts.
6. At least 2 years of warranty should be provided free of cost including manpower.

2. Thermo mixer with incubator

Specification:

1. It should have fast mixing speed and integrated mixing, shaking and heating function.
2. It should be compatible of mixing various micro volume tube, PCR plate, deep hole plate and micro plate and other common laboratory supplies, also equipped he function of vortexing and heating all kinds of tubes.
3. It should have high efficient shaking and temperature control, programmable.
4. It should have option for time setting of at least 0~100 hours range freely.
5. It should be compatible to various blocks for option and convenient replacement.
6. It should have built-in temperature calibration short mixing function.
7. Warranty for 2 years should be provided.
8. It should have temperature control range: +5—100°C, temperature control accuracy: $\pm 0.3^{\circ}\text{C}$.
9. It should have shaking speed ranging 300—2000 rpm and heating time <20min (20°C—100°C).
10. It should have very compact size and light weight with maximum power of 200W.

3. Bench top mini centrifuge

Specification:

1. The centrifuge should be benchtop model and very compact.
2. It should have LCD display for ease of setting and reading.
3. It should have brushless DC motor
4. It should have USB port for remote terminal control capability and future upgrades.
5. It should have one-touch short-spin operation and precise RPM setting with least count of 10 RPM & timer setting.
6. It should have imbalance detection with auto cut-off.
7. It should be user programmable and option for multiple program setting (atleast upto 99 programs).
8. The rotor has the aerosol-tight lid and reduction adaptors for 0.2ml/0.4ml and 0.5ml microtubes.
9. It should have sample capacity of 12 x 1.5/2ml with max. RPM:500 - 15,000.

4. Ice maker

Specification:

1. It should be compact with usable built in bin.
2. The ice flake production in 24 hours should be preferably 24 kg and storage capacity of 4-5 kg.
3. The air cool cooling system should be enabled in the machine.

5. Magnetic stand

Specification:

1. The magnetic stand should have atleast 12 tube slot of 0.6 ml tube.
2. It should be compatible for protein magnetocapture assays or purification procedures performed with magnetic agarose beads.
3. The magnet should consist of powerful neodymium-iron-boron magnetic disks.

Sealed quotations and price bid deposit to the

Prof. Chitra Sarkar
Neuropathology Lab,
Room no-1083A, Department of Pathology
AIIMS, New Delhi.