

Capillary Electrophoresis



Brand: Beckman Coulter




Model: PA 800 Plus

Custodian: Sirichai Kositarat

Location: K637 Room, 6th Floor, Chaloeprakiet Building, Phyathai Campus

System Specifications:

| Description | Specifications |
|-------------------------------|---|
| Dimensions | 74.2x63.5x72.1 cm (HxWxH) |
| Weight | 85.3 kg |
| Electrical Requirements | 100 - 240 V; 50/60 Hz |
| Voltage Range | 1 to 30 kV programmable in 0.1 kV increments |
| Current Range | 3 to 300 μ A programmable in 0.1 μ A increments |
| Pressure Delivery Range | -5 to +100 psi |
| Sample Temperature Control | 4 - 60° C |
| Capillary Temperature Control | 15 - 60° C |
| System Capacity | Sample Trays: 2 x 96-well plates 2 x 48 universal vials Buffer Tray: 2 x 36 universal vials |

| Description | Specifications |
|--|--|
| <p>Detection Capability</p> <p>1. UV/Vis</p>  | <p>190 - 600 nm (custom filter option) 200, 214, 254, 280 nm standard filter</p> |
| <p>2. Diode Array</p>  | <p>190 - 600 nm (programmable) 0.5 - 32 Hz scan collection frequency (programmable)</p> |
| <p>3. Laser Induced Fluorescence (LIF)</p>  | <p>300 - 700 nm excitation range 350 - 750 nm emission range 0 - 1000 RFU Source Lasers with 3 mW Power Output 488 nm solid-state laser</p> |
| <p>Applications*</p> <p>Up to capillary type</p> | <ul style="list-style-type: none"> - Molecular Weight Analysis - Carbohydrate Profiling Analysis - Protein's Isoelectric Point - Automated Peptide Mapping |

