SPECIFICATIONS FOR
COULTER-PRINCIPLE BASED PARTICLE COUNTER

Instrument should use the Coulter Principle to provide size measurement in number, volume and surface area in one measurement.

Instrument should have an overall sizing range of 0.4µm to 1600µm.

Specifications:
-Overall Particle Size Range: 0.4 to 1,600µm in diameter; 0.033fL to 2.145 x 109fL or µm3 in volume.

-Aperture Diameter: 20µm to 2000µm apertures (nominal diameters) should be available.

-Aperture Range: 2% to 80% of aperture diameter.

-Resolution: User Selectable (up to 400 channels) which can be enhanced even more by re-analyzing the stored pulse data.

-Size Distribution Data: Size distribution by diameter, volume and area for number, number %, number/ml, volume, volume %, volume/ml, surface area, surface area % and surface area/ml

-Pulse Data: Pulse distribution by time, sequence and width for pulse height diameter, pulse height volume, pulse height volt, pulse width, pulse area, average pulse height diameter, average pulse height volume and average pulse width. Number distribution by width.

- Nominal 20 µm Latex Particles for verification of the system

-Mercury Free Metering System

Features:
-Optimized performance with small apertures; Pulse Time Stamp, Electronic Blockage Detection, On-Board Sample containment, Barcode Reader, Vacuum Intake dust filter, Automatically positioned stirrer, 21 CFR Part 11 Compliant Software & Protocols.

Party to quote for:
-Windows Based PC (latest configuration) with Ethernet Connection, Keyboard, Monitor, Mouse & Printer. Required Operating System: Windows 7 or XP