BD FACSCanto II

(Becton Dickinson, San Jose, CA, USA)

Data File Structure:	Flow Cytometry Standard (FCS) 2.0 and 3.0; BD FACSCanto II clinical software v2.1 only supports FCS 3.0
Software:	BD FACSCanto II clinical software v2.1 BD FACSDiva software v5.0

Laser:

Blue laser	488nm
Red laser	635nm
Violet laser	405nm

Fluorescence detection: 6 to 8 photomultiplier tube detectors:

Wavelength ranges detected from 488-nm laser:
- 750–810 nm (PE-Cy7)
- 670–735 nm (PerCP-Cy5.5)
- 610–637 nm (PE-Texas Red®, optional)
- 564–606 nm (PE)
- 515–545 nm (FITC)

Wavelength ranges detected from 633-nm laser:
- 750–810 nm (APC-Cy7)
- 650–670 nm (APC)

Wavelength ranges detected from 405-nm laser:
- 502–535 nm (AmCyan)
- 425–475 nm (Pacific Blue™)

Sample flow rates: Assay dependent, controlled automatically by BD FACSCanto clinical software. Nominal rates:
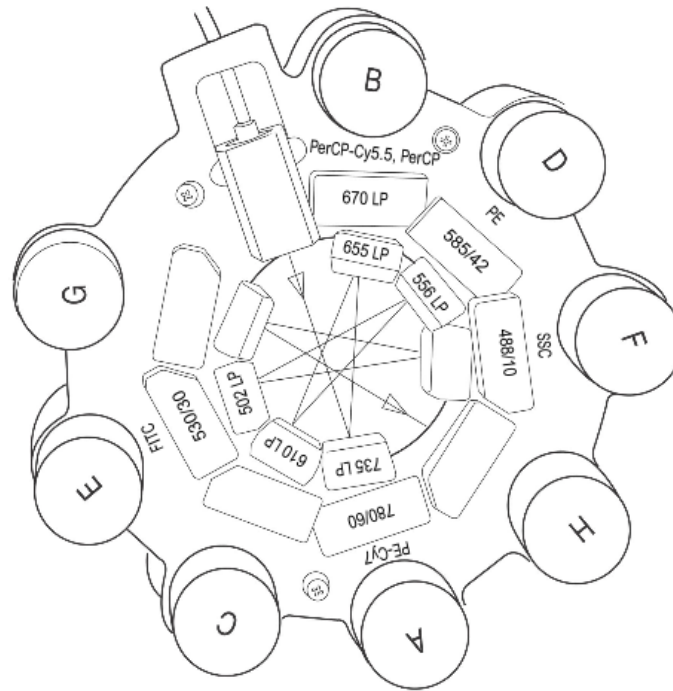
Low = 10 µL/min
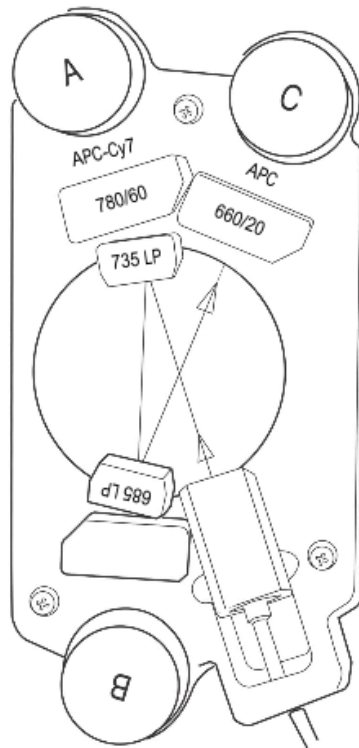Medium = 60 µL/min
High = 120 µL/min

Sample acquisition rate: 10,000 events/sec with <10% abort rate

DETECTOR ARRAYS

488nm blue laser

633 nm red laser

405 nm violet laser