**3. Instrument Details**

**3.1. Instrument Manufacturer**

BD Biosciences

http://www.bdbiosciences.com/home/

**3.2. Instrument Model**

BD SORP LSRII Flow Cytometer.

Serial number: H47300022

Manufactured: 09/2006

Pre-Shipment QC: 09/23/2006

**3.3. Instrument Configuration and Settings**

3.3.1. Flow Cell and Fluidics

The instrument has not been altered. It has a fixed-alignment cuvette flow cell

3.3.2. Light Sources

The instrument has not been altered, three-laser base configuration with ACDU

- 488-nm Coherent Sapphire solid state; 20mW

- 633-nm JDS Uniphase HeNe air-cooled; 18mW

- 355-nm Lightwave Electronics Xcyte solid state; 20mW

3.3.3. Excitation Optics Configuration

The instrument has not been altered.

3.3.4. Optics Filter

The instrument can accept optical configuration changes. Refer to the attached configurations found below.

3.3.5. Optical Detectors

Baseline voltages are provided in the configuration tables.

3.3.6. Optical Paths

Optical filters are removable. The following tables provide various optical configurations that have been used.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configurations Name: “LSR Ultimate” (10.00 WE) | | | | | | |
| Laser | Detector Position | PMT Name | Dicroic Mirror | BP Filter | Installation Date | Baseline Voltage 04Feb2011 |
| Blue | FSC | FSC (Diode) | None | 488/10 | 9/2006 | 575 |
| Blue | A | FL5\* | 735LP | 780/60 | 9/2006 | 608 |
| Blue | B | FL4\* | 685LP | 695/40 | 9/2006 | 693 |
| Blue | C | FL3\* | 595LP | 610/20 | 9/2006 | 509 |
| Blue | D | FL2\* | 550LP | 575/26 | 9/2006 | 504 |
| Blue | E | FL1\* | 505LP | 525/50 | 9/2006 | 495 |
| Blue | F | SSC | None | 488/10 | 9/2006 | 274 |
| Red | A | FL8\* | 755LP | 780/60 | 9/2006 | 571 |
| Red | B | FL7\* | 690LP | 730/45 | 9/2006 | 489 |
| Red | C | FL6\* | None | 660/20 | 9/2006 | 595 |
| UV | A | FL10\* | 505LP | 530/30 | 9/2006 | 703 |
| UV | B | FL9\* | None | 450/50 | 9/2006 | 489 |

\*Many fluorochrome names are currently in this configuration.

**3.4. Other Relevant Instrument Details**

* BD LSRII User’s Guide: PN 640752 Rev A
* BD FACSDiva Software Reference Manual: PN 642213
* BD High Throughput Sampler User’s Guide: PN 640756 Rev A