**Instrument Details (Glasgow LSRII)**

**3.1. Instrument Manufacturer**

BD Biosciences

1030 Eskdale Road, Winnersh Triangle, Wokingham, Berkshire, RG41 5TS

Website: <http://www.bd.com/>

**3.2. Instrument Model**

BD FACSCantoII, Serial Number V3389620/640, Configuration number 338962

**3.3. Software Version**

BD FACSDiva Version 9.0.1 , and Microsoft Windows 10

**3.4. Instrument Configuration and Settings**

3.3.1. Flow Cell and Fluidics: The instrument has not been altered; fixed-alignment cuvette flow cell. 3.3.2. Light Sources: The instrument has not been altered; four-laser base configuration:

• 488-nm Coherent Sapphire solid state laser; 20mW

* 633nm Coherent Cube He-Ne; 17mW

• 405-nm Coherent Cube solid state laser; 30 mW

3.3.3. Excitation Optics Configuration: The instrument has not been altered.

3.3.4. Optical Filters: See figure below.

3.3.5. Optical Detectors: The instrument has not been altered. Photomultiplier tubes, Matsusada Prescision Inc. Osaka Japan. See detector voltages below (User to complete)

3.3.6. Optical Paths: The instrument has not been altered. Detector arrays consist of BD octagon ( 488 nm laser lines) and BD Trigons (405 and 640 nm laser lines). PMTs are arranged as follows

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **LASER** | **PMT** | **Filter** | **LP mirror** | **Fluorochrome** |
| **Blue Octagon** |  |  |  |  |
| **488nm**  **20mW** | **A** | **780/60** | **735LP** | **PE-Cy7** |
| **B** | **670LLP** | **655LP** | **PerCP, PerCP-Cy5.5** |
| **C** |  | **610LP** | **-** |
| **D** | **585** | **586LP** | **PE** |
|  | **E** | **530/30** | **502LP** | **FITC** |
|  | **F** | **488/10** | **-** | **SSC** |
| **Red Trigon** |  |  |  |  |
| **633nm**  **17mW** | **A** | **780/60** | **735LP** | **APC-Cy7, APC-H7,**  **APC Fire-750, efluor-780** |
| **B** | **-** | **685LP** | **-** |
| **C** | **660/20** | **None** | **APC, Dye Cycle Ruby, AF600 Cell Trace Far Red, AF647, eFluor 660** |
| **Violet Trigon** |  |  |  |  |
| **405nm**  **30mw** | **E** | **510/50** | **502LP** | **V500, BV510, L/D Aqua**  ***BV480 \**** |
| **F** | **450/50** | **None** | **BV421, V450, Dapi, Cell Trace Violet,Tag2 BFP** |