

# MIFlowCyt

## Aurora Instrument Details

### 3. Instrument Details

#### 3.1. Instrument Manufacturer

Cytek Biosciences

<https://cytekbio.com/>

#### 3.2. Instrument Model

Cytek Aurora 41 Channel System

Serial number: R0810

#### 3.3. Instrument Configuration and Settings

##### 3.3.1 Flow Cell and Fluidics

###### 3.3.1.1. Flow Cell Type

Instrument unaltered (2021)

###### 3.3.1.2 Fluidics

Instrument unaltered (2021)

##### 3.3.2 Light Sources

Three-laser configuration

- 405 nm

Model:

Serial #:

- 488 nm

Model:

Serial #:

- 640 nm

Model:

Serial #:

##### 3.3.3 Excitation Optics Configuration

Instrument unaltered (2021)

##### 3.3.4. Optical Filters

Instrument unaltered (2021)

##### 3.3.5. Optical Detectors

3.3.5.3. Optical Detector Voltage

Detector voltages for the experiment have been set to:

<b>Laser</b>	<b>Detector Name</b>	<b>Center Wavelength (nm)</b>	<b>Fluorochrome/Dye</b>	<b>Gain</b>
<b>405 nm (Violet)</b>	<b>V1</b>	<b>428</b>		
	<b>V2</b>	<b>443</b>		
	<b>V3</b>	<b>458</b>		
	<b>V4</b>	<b>473</b>		
	<b>V5</b>	<b>508</b>		
	<b>V6</b>	<b>525</b>		
	<b>V7</b>	<b>542</b>		
	<b>V8</b>	<b>581</b>		
	<b>V9</b>	<b>598</b>		
	<b>V10</b>	<b>615</b>		
	<b>V11</b>	<b>664</b>		
	<b>V12</b>	<b>692</b>		
	<b>V13</b>	<b>720</b>		
	<b>V14</b>	<b>750</b>		
	<b>V15</b>	<b>780</b>		
	<b>V16</b>	<b>812</b>		

<b>Laser</b>	<b>Detector Name</b>	<b>Center Wavelength (nm)</b>	<b>Fluorochrome/Dye</b>	<b>Gain</b>
<b>488 nm (Blue)</b>	<b>B1</b>	<b>508</b>		
	<b>B2</b>	<b>525</b>		
	<b>B3</b>	<b>542</b>		
	<b>B4</b>	<b>581</b>		
	<b>B5</b>	<b>598</b>		
	<b>B6</b>	<b>615</b>		
	<b>B7</b>	<b>660</b>		
	<b>B8</b>	<b>678</b>		
	<b>B9</b>	<b>697</b>		
	<b>10</b>	<b>717</b>		
	<b>B11</b>	<b>738</b>		
	<b>B12</b>	<b>760</b>		
	<b>B13</b>	<b>783</b>		
	<b>B14</b>	<b>812</b>		

<b>Laser</b>	<b>Detector Name</b>	<b>Center Wavelength (nm)</b>	<b>Fluorochrome/Dye</b>	<b>Gain</b>
<b>640 nm (Red)</b>	<b>R1</b>	<b>660</b>		
	<b>R2</b>	<b>678</b>		
	<b>R3</b>	<b>697</b>		
	<b>R4</b>	<b>717</b>		
	<b>R5</b>	<b>738</b>		
	<b>R6</b>	<b>760</b>		
	<b>R7</b>	<b>783</b>		
	<b>R8</b>	<b>812</b>		

### **3.3.6. Optical Paths**

Instrument unaltered (2021)