

Curtin Health Innovation Research Institute
Flow Cytometry Analysis Platform Guide

Canto-II (Hydrodynamic focusing)



Canto-II Flow Cytometer Specifications:

- 3 laser system: Violet / Blue / Red
- Measures 8 fluorochromes simultaneously
- Ability to use dyes excited by the violet laser
- Samples up to 10,000 events/second
- DIVA software
- Automated start-up & shut-down

CHIRI Shared Resource Flow Cytometry Laboratory
Canto-II Cell Analyser

Bandpass Filter Configuration Guide

Channel Name	Standard Filters	Mirrors	Commonly Used Fluorophore
405 nm Violet Laser (30 mW solid state)			
[V] 450/40	450/50	No LP	BD Horizon Brilliant Violet 421 (BV 421), V450
[V] 510/50	510/50	502LP	BV 510, V500
488 nm Blue Laser (20 mW solid state)			
SSC	488/10	No LP	Side scatter
[B] 530/30	530/30	502LP	FITC, BB 515, Alexa Fluor 488
[B] 585/42	585/42	556LP	PE
[B] 670LP	670LP	655LP	PerCP, PerCP-Cy5.5
[B] 780/60	780/60	735LP	PE-Cy7
633 nm Red Laser (17 mW HeNe)			
[R] 660/20	660/20	No LP	APC
[R] 780/60	780/60	735LP	APC-Cy7, APC-H7

Note: This is not an exhaustive list of fluorophores, please contact CHIRI Flow Cytometry Staff if you need assistance checking the details of your panel.