Self Analysis on the FACSymphony

Availability: 24 hours, 7 days a week. PICI members only.

Overview: *The BD FACSymphony class of instruments are flow cytometer analyzers equipped with 5 lasers, generating data of up to 30 parameters for each event passing through the interrogation point. As more reagents are developed, the goal will be 50 parameters.*

The Symphony operates in the same manner and workflow as the LSRII, Fortessa, and X-20, but manual entry of QC values is required to make sure the instrument is optimized for your experiment. The instrument comes in different trims such as the A3 and A5 models. It has also been termed the X-30 and X-50, with the number representing the quantity of parameters the instrument will be able to read. It is also equipped to take the High Throughput Sampler (HTS) for 96 and even 384 well type plates. Analysis occurs at the cuvette flow cell, increasing sensitivity and resolution, allowing detection of 2 relative physical properties as well as up to 28 different colors simultaneously. It can be run at 3 different sample flow rates with a fine-tune adjustor and is capable of analysis rates of up to 40,000 events per second. It is operated using FACSDiva Software and available for all labs to use.

Training: If you are a new user to this service, please **setup a meeting with the Core manager** [1], to discuss what you plan on running and panel design. All Symphony users need to fulfill Basic and Advanced LSRII/Fortessa/X20/Symphony Training requirements. Click **HERE** [2].

Assistance: If you run samples infrequently, it is recommended to request Assistance to have a Flow Core staff member run samples for you. Click **HERE.**[3]

Rates: Click **HERE.**[4]

Scheduling: Click **HERE** [5].

Data Analysis: Raw data is in a FCS file format. For analysis options, click **HERE** [6].

Instrument Features: The instruments differ slightly in their laser excitation lines, detector capabilities, and whether or not they have an HTS to run plates. The **Summary Table HERE**[7] will provide a matrix of all the key features of each instrument. Click on the nickname link of a specific instrument to get a more detailed layout. Tabs are also at the bottom listing the machine nicknames. It is essential for planning your experiments and seeing if an instrument can detect your specific markers. If you need to download a copy, click on "File" then "Download as" from the Google menu. Check out what the instrument is equipped with and **contact us** [8] if you have any questions about it.

Contact Us
UCSF Main Site

Source URL: https://flow.ucsf.edu/self-analysis-facsymphony

Links:
[1] https://flow.ucsf.edu/contact-list
[2] http://flow.ucsf.edu/training-available-services
[3] https://flow.ucsf.edu/assistance
[4] https://flow.ucsf.edu/prices-rates
[5] https://flow.ucsf.edu/scheduling-information
[6] https://flow.ucsf.edu/analysis-work-stations
[7] http://flow.ucsf.edu/services-and-instrumentation#summary
[8] https://flow.ucsf.edu/contact-list%26%239%3B