



Aug 30, 2022

SPARC - Attune NxT Set-up for Milli-metabolic bead assay Acquisition

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1 Works for me

 Sharedx.doi.org/10.17504/protocols.io.6qpvro3o3vmk/v1 J Paul Robinson

ABSTRACT

This protocol is to demonstrate how to run a standard plate-based assay on the flow cytometer to produced appropriate concentrations of the various analytes to be measured.

DOI

dx.doi.org/10.17504/protocols.io.6qpvro3o3vmk/v1

PROTOCOL CITATION

J Paul Robinson 2022. SPARC - Attune NxT Set-up for Milli-metabolic bead assay Acquisition. **protocols.io**
<https://protocols.io/view/sparc-attune-nxt-set-up-for-milli-metabolic-bead-a-banwidfe>



KEYWORDS

flow cytometry method, fluorescence detection, bead assay, hormone assay

LICENSE

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CREATED

Dec 19, 2019

LAST MODIFIED

Aug 30, 2022

OWNERSHIP HISTORY

Dec 19, 2019 J Paul Robinson

Dec 20, 2019 J Paul Robinson

PROTOCOL INTEGER ID

31158

GUIDELINES

This assays is specifally designed for the ATTUNE NxT flow cytometer and the Milli-metabolic bead assays

MATERIALS TEXT

MATERIALS

⊗ [Attune Performance Tracking Beads](#) **Thermo**

Scientific Catalog #4449754

⊗ [Attune Focusing Fluid 1x10L](#) **Thermo**

Scientific Catalog #A2490

⊗ [Attune Wash Solution](#) **Thermo**

Scientific Catalog #A24974

⊗ [Attune 1x Shutdown Solution](#) **Thermo**

Scientific Catalog #A24775

⊗ [12x75mm test](#)

[tube](#) **Sarstedt Catalog #55.476.300**

BEFORE STARTING

Setting up instruments correctly is a critical step in any assay

1 Check the waste and

If the waste is full, disconnect the tank and dispose of the waste down the sink with running water. Add **200 mL** of 5% bleach to the tank and reconnect to the Attune NxT. Fill the Focusing Fluid tank from the focusing fluid cube.

2 Check and fill as needed the shutdown solution reservoir and the wash solution reservoir.

3 Also check the waste and focusing fluid reservoirs at the plate sampler station.

- 4 At the workstation, click on instrument > start-up at the top of the screen.
- 5 When start-up is complete, the indicator lights at the instrument will be green.
- 6 Run the performance test.
- 7 When the plate finishes, right click on the experiment.
- 8 Select export FCS files
- 9 Copy files onto the appropriate directory
- 10 Analyze data in Mplex software
- 11 Once data files are analyzed in MPLEX, follow the MPLEX protocol to send data for depositing to NIH. See this protocol for details:



SPARC - Analysis of multiplexed bead data using MPLEX software
by J Paul Robinson

PREVIEW

RUN

