

Technical Data Sheet

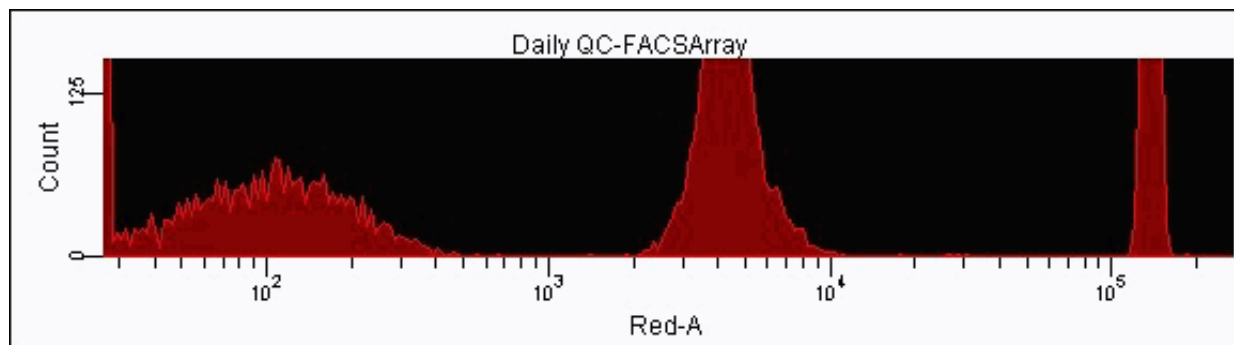
Daily QC Particles for the BD FACSAarray™

Product Information

Material Number:	558542
Component:	51-9004738
Description:	Rainbow Calibration Particles (Peak 8)
Size:	5 mL (1 ea)
Storage Buffer:	Aqueous solution containing 0.01%NP40 and ≤ 0.02% sodium azide.
Component:	51-9004739
Description:	Rainbow Calibration Particles (Peak 4)
Size:	5 mL (1 ea)
Storage Buffer:	Aqueous solution containing 0.01%NP40 and ≤ 0.02% sodium azide.
Component:	51-9004740
Description:	Blank Calibration Particles (Peak 1)
Size:	5 mL (1 ea)
Storage Buffer:	Aqueous solution containing 0.01%NP40 and ≤ 0.02% sodium azide.

Description

The SPHERO™ Daily QC Particles for the BD FACSAarray™ consist of three discrete fluorescent or non-fluorescent particles that are used for daily instrument quality control to confirm consistent instrument performance. Each Rainbow particle provided contains a mixture of fluorophores that are excited at any wavelength between 365 - 650 nm. The three particles provided include negative (peak 1), dim (peak 4), and bright (peak 8) Rainbow Calibration Particles.



Example SPHERO Daily QC Particles data acquired on a BD FACSAarray bioanalyzer.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Recommended Assay Procedure:

The SPHERO Daily QC Particles for the BD FACSAarray are useful for the daily testing of the BD FACSAarray bioanalyzer to confirm consistent instrument performance and have been tested on the BD FACSAarray for this purpose. To prepare the beads for use in daily testing of the BD FACSAarray, add 3 drops of each particle (peak 1, peak 4 and peak 8) to a single tube containing 2 ml of BD FACST™ sheath solution. Diluted particles may be stored for up to 1 week at 4°C, protect from light. Detailed instructions on mixing the particles and their use in daily QC testing of the BD FACSAarray are described in the *BD FACSAarray Bioanalyzer Instrument Quality Control Instruction Manual*, which can be downloaded at www.bdbiosciences.com. The %CV of the Rainbow Calibration Particles (Peak 8) should always be ≤ 7% in all fluorescent parameters. If higher %CV values are seen on your testing, follow the instructions provided in the *BD FACSAarray Bioanalyzer Instrument Quality Control Instruction Manual* to troubleshoot the result or contact your BD Field Service Engineer for instrument service.

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Product Notices

1. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
2. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

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