

# BD FACSDiva™ CS&T Research Beads

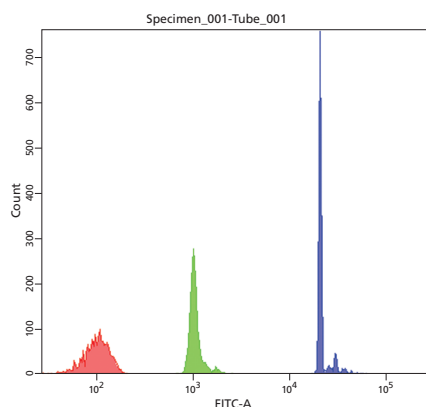
## Features

Simplifies setup with a single-vial reagent solution

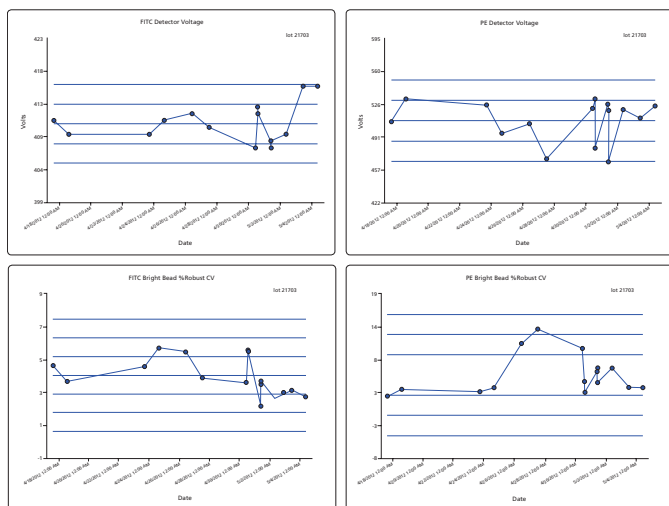
Provides cost efficiency with low per-test cost and multiple kit configurations

Produced under GMP for improved quality and reproducibility

Enhances the cytometer setup workflow, supporting over 100 laser and filter combinations



**Figure 1.** CS&T research beads are excited by all supported lasers and emit in the range of virtually any filter combination.



**Figure 2.** Automated performance tracking within BD FACSDiva software using CS&T research beads. These charts show performance of the FITC and PE detectors as well as the actual bright bead percent robust coefficient of variation.

## Ordering Information

Description	Number of Tests	Cat. No.
BD FACSDiva CS&T Research Beads	50 Tests	655050
BD FACSDiva CS&T Research Beads	150 Tests	655051

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BD FACSDiva™ CS&T Research Beads (CS&T research beads) are specifically designed to improve the automated cytometer setup and performance tracking features of BD FACSDiva™ software version 7.0 or later. These new beads also add additional support to over 100 different optical configurations for the BD FACSCanto™, BD FACSAria™, and BD™ LSR cytometer platforms.

CS&T research beads are composed of equal concentrations of dim, mid, and brightly dyed polystyrene beads. All three beads have low intrinsic coefficients of variation and are used with BD FACSDiva software to perform up to 16 different performance measurements.

CS&T research beads work with BD FACSDiva version 7 software to provide a unique and integrated cytometer setup and performance tracking workflow. This workflow automates the characterization of each supported cytometers' fluorescence detectors and the entire optical configuration. This characterization includes automatically determining and then creating baseline performance values, called target values. These target values are then maintained by running the CS&T research beads and a performance check in BD FACSDiva software. This enables the cytometer perform the same every day. Given the consistency and precision of this performance process, BD FACSDiva software also provides functionality to allow users to create and re-use their own unique settings for any application. These settings, called application settings, ensure that the data and analysis results are as reproducible as possible.

Combined, BD FACSDiva CS&T Research Beads and BD FACSDiva version 7 software deliver one of the most reproducible and integrated cytometer and application setup workflows available. This workflow provides automated performance tracking as well as day-to-day data consistency.

## Specifications

<b>Bead Type</b>	Polystyrene
<b>Bead Sizes</b>	2 µm (dim), 3 µm (mid and bright)
<b>Tests per Vial</b>	50 performance checks
<b>Volume per Vial</b>	3 mL
<b>Solution</b>	PBS with 0.5% BSA and 0.1% Sodium Azide
<b>Lasers Supported</b>	488 nm Blue, 635 nm Red, 405 nm Violet, 355 nm UV, 455 nm Blue, 375 nm UV, 532 nm Green, and 561 nm Yellow-Green
<b>Cytometers Supported</b>	BD FACSCanto™, BD FACSCanto™ II, BD FACSAria™, BD FACSAria™ II, BD FACSAria™ III, BD™ LSR II, and BD LSRFortessa™



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