

## Technical Data Sheet

## Functional Bead C4

## Product Information

Material Number:	558647
Size:	0.9 ml
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

## Description

The BD™ CBA Functional Beads are color-coded 7.5 µm polystyrene beads that can be classified using a flow cytometer. The Functional Beads can be used in conjunction with the BD CBA Functional Bead Conjugation Buffer Set (Cat. No. 558556) to covalently link water-soluble proteins to the surface of the beads via a sulfo-SMCC chemistry. The beads, once linked to a protein, can be used as a capture matrix for analytes of interest. This vial of Functional Beads contains enough beads for 6,000 tests (6 - 12 conjugations of 500 - 1000 tests each). It is recommended that the user carefully read the BD CBA Functional Bead Conjugation Buffer Set instruction manual before purchasing or using the BD CBA Functional Beads.

## Preparation and Storage

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

## Application Notes

## Application

Array	Routinely Tested
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## Recommended Assay Procedure:

For details on the specific conjugation procedure used to covalently link proteins to the BD CBA Functional Beads, guidelines for developing bead-based immunoassays and how to confirm the presence of immunoglobulins conjugated to the beads, refer to the BD CBA Functional Bead Conjugation Buffer Set instruction manual.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
558556	Functional Bead Conjugation Buffer Set	15 reactions	(none)
558550	PE Goat anti-Mouse Ig Detector	25 tests	Polyclonal
558551	PE Goat anti-Rat Ig Detector	25 tests	Polyclonal
558553	PE Mouse anti-Rabbit IgG Detector	25 tests	C101-359

## Product Notices

- 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.
- Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.

## BD Biosciences

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