

Technical Data Sheet

Functional Bead B5

Product Information

Material Number:	558586
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)
558553	PE Mouse anti-Rabbit IgG Detector	25 tests	C101-359
558550	PE Goat anti-Mouse Ig Detector	25 tests	Polyclonal
558551	PE Goat anti-Rat Ig Detector	25 tests	Polyclonal

Product Notices

1. 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.
2. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.

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