

SPHERO™ Flow Cytometry Multiplex Bead Assay Particles

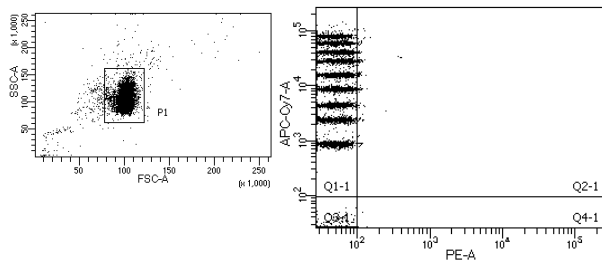
SPHERO™ Flow Cytometry Multiplex Bead Assay Particles are designed for the development of flow cytometer multiplex assays. These kits are used to develop assays for allergy testing, autoimmune diseases, cardiac markers, cytokine detection, endocrine markers, infectious disease markers, isotyping, genotyping, kinase and phosphorylated protein activity, metabolic markers, and tissue typing.

SPHERO™ Blue Fluorescent Particle Array Kits (PAK)

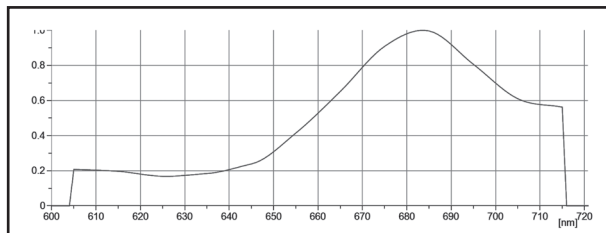
- Designed to simplify flow cytometer multiplex assay development
- Consists of fluorescent particles of different intensities in PE-Cy5 and APC channels and minimal fluorescence in FITC and PE channels with 488 nm excitation
- Used with FITC and/or PE for detection
- Several sizes can be used independently or mixed together.
- Available as Functionalized, Streptavidin, Biotin and antibody coated.

The Blue PAK particles are fluorescent in PE-Cy5, APC, and APC-Cy7 channel with minimal fluorescent in FITC and PE channels with 488 or 635 nm excitation. This allows that either FITC and/or PE tracers can be used for detection. These kits are available with different functionalities and coatings. Carboxyl, amino and plain polystyrene functionalized particles are available for covalent attachment or passive adsorption of ligands.

Most flow cytometers can resolve the 3.6µm, 4.0µm and 5.1µm Blue PAKs easily in FSC/SSC channels. Ideally, one can mix them together and use both FITC and PE to run 50 assays in the same tube.



Dot Plots for CPAK-5067-10K on a BD Fortessa X20



Spectra for peak 10 of CPAK-5067-10K at 488nm Ex

Particle Type and Surface	Size, µm	Catalog No.	Unit
Blue PAK, 7 peaks, 10 ⁸ /mL	3.5-3.9	PAK-3567-7K	7x1 mL
Blue PAK, 8 peaks, 10 ⁸ /mL	4.0-4.9	PAK-4067-8K	8x1 mL
Blue PAK, 10 peaks, 10 ⁸ /mL	5.0-5.9	PAK-5067-10K	10x1 mL
Blue PAK, Odd # peaks, 10 ⁸ /mL	5.0-5.9	PAK-5067-5A	5x1 mL
Blue PAK, Even # peaks, 10 ⁸ /mL	5.0-5.9	PAK-5067-5B	5x1 mL
Blue PAK, 9 peaks, 10 ⁷ /mL	7.0-7.9	PAK-7067-9K	9x1 mL
Carboxyl Blue PAK, 7 peaks, 10 ⁸ /mL	3.0-3.4	CPAK-3067-7K	7x1 mL
Carboxyl Blue PAK, 4 peaks, 10 ⁸ /mL	3.5-3.9	CPAK-3567-4K	4x1 mL
Carboxyl Blue PAK, 7 peaks, 10 ⁸ /mL	3.5-3.9	CPAK-3567-7K	7x1 mL
Carboxyl Blue PAK, 8 peaks, 10 ⁸ /mL	4.0-4.9	CPAK-4067-8K	8x1 mL
Carboxyl Blue PAK, 10 peaks, 10 ⁸ /mL	5.0-5.9	CPAK-5067-10K	10x1 mL
Carboxyl Blue PAK, Odd # peaks, 10 ⁸ /mL	5.0-5.9	CPAK-5067-5A	5x1 mL
Carboxyl Blue PAK, Even # peaks, 10 ⁸ /mL	5.0-5.9	CPAK-5067-5B	5x1 mL
Carboxyl Blue PAK, 9 peaks, 10 ⁷ /mL	7.0-7.9	CPAK-7067-9K	9x1 mL
Carboxyl Blue PAK, 13 peaks, 10 ⁷ /mL	10-14	CPAK-10067-13K	13x1 mL
Carboxyl Blue PAK Chemistry Development Particles, 10 ⁸ /mL	5.0-5.9	CFP-5067-2	2 mL
Amino Blue PAK, 7 peaks, 10 ⁸ /mL	3.5-3.9	APAK-3567-7K	7x1 mL
Goat anti-Mouse IgG Blue PAK, 10 peaks, 10 ⁶ /mL	5.0-5.9	MPAK-5067-10K	10x1 mL
Goat anti-Mouse IgG Blue PAK, Odd # peaks, 10 ⁶ /mL	5.0-5.9	MPAK-5067-5A	5x1 mL
Goat anti-Mouse IgG Blue PAK, Even # peaks, 10 ⁶ /mL	5.0-5.9	MPAK-5067-5B	5x1 mL
Goat anti-Mouse IgG (Fc) Blue PAK, 6 peaks, 10 ⁷ /mL	4.0-4.9	MMFcPAK-4068-6K	6x1 mL
Glutathione Blue PAK, 4 peaks, 10 ⁷ /mL	5.0-5.9	GSHPAK-5067-4K	4x1 mL
Streptavidin Blue PAK, 10 peaks, 10 ⁶ /mL	5.0-5.9	SVPAK-5067-10K	10x1 mL
Streptavidin Blue PAK, Odd # peaks, 10 ⁶ /mL	5.0-5.9	SVPAK-5067-5A	5x1 mL
Streptavidin Blue PAK, Even # peaks, 10 ⁶ /mL	5.0-5.9	SVPAK-5067-5B	5x1 mL

SPHERO™ Streptavidin Particle Array Kits

Particle Type and Surface	Size, µm	Catalog No.	Unit
Streptavidin Yellow, Odd # peaks, 0.1% w/v	2.5-2.9	SVFA-2552-6K	6x1 mL
Streptavidin Yellow, Even # peaks, 0.1% w/v	2.5-2.9	SVFB-2552-6K	6x1 mL
Streptavidin Pink, Odd # peaks, 0.1% w/v	2.5-2.9	SVFA-2558-6K	6x1 mL
Streptavidin Pink, Even # peaks, 0.1% w/v	2.5-2.9	SVFB-2558-6K	6x1 mL