

# Flow Check™ Microparticles

## DESCRIPTION

Flow Check™ beads have been designed to assist flow cytometry users in checking the suitability of their instruments and their procedures. The particles are made from a polystyrene base and supplied as an aqueous suspension. All components are packaged in convenient 10ml flip-top dropper bottles. To reach a count rate of 1000 per second, a dilution is required. With 10,000 total events per run, a single bottle of Flow Check™ particles can be used for at least 200 runs. When protected from light and stored at 4°C, the particles will be stable for one year.

Dyed Particle	Excitation Max. (nm)	Emission Max. (nm)
BB	365	435
YG	445	500
Ruby Red	475	663

## AVAILABLE PRODUCTS

### Flow Check™ High Intensity Alignment Grade Particles - 0.50µm (BB) (Cat. # 23520-1)

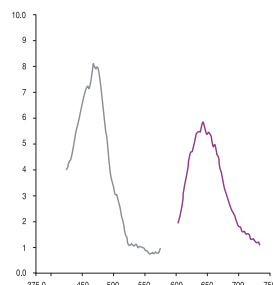
These are a single population of 0.50µm polystyrene particles that can be used for flow cytometry calibration. The fluorescence emission is in the range of 360nm to 407nm.

### Flow Check™ YG 6.0µm Kit (Cat. #23512-1)

The particles in this kit allow comparison of various levels of green fluorescence on uniform polystyrene beads. A full intensity bead, two intermediate intensity beads, and a blank bead are provided to assist in checking instrument stability in the appropriate ranges. Each component is packaged with ~2 x 10<sup>6</sup> particles per ml. The CV's of these particles are narrow throughout the range.

### Flow Check™ 6.0µm Ruby Red Microspheres (Cat. #24288-5)

These microspheres are 6µm narrow distribution polystyrene particles that can be used for flow cytometry applications with red excitation and fluorescence emission in the range of 600nm to 710nm are needed. Particles are supplied at an approximate concentration of 5 x 10<sup>6</sup> microspheres per ml in a convenient dropper bottle.



## ADDITIONAL PRODUCTS

Additional products designed for use in flow cytometry applications can be found in the Microspheres section under *Bangs Flow Cytometry Standards* on our website, [www.polysciences.com](http://www.polysciences.com).

## STORAGE

Store Flow Check™ Flow Cytometry particle suspensions at 4°C when not in use. Prior to dispensing, particles should be well mixed by completely inverting the bottle several times. For use, dilute one drop of the particle suspension in 1ml of sheath fluid and mix well. Diluted particles should be stored at 4°C and protected from light. Diluted particles are stable for 8-10 hours when stored in the dark at 4°C.

**These products are for research use only and are not intended for use in humans or for *in vitro* diagnostic use.**

## ORDERING INFORMATION

Cat. #	Description	Size
23520-1	Flow Check™ High Intensity Alignment Grade 0.5µm (BB)	10ml
23512-1	Flow Check™ YG 6.0µm Kit	1 kit
23519-10	Flow Check™ YG 6.0µm High Intensity	10ml
23522-10	Flow Check™ YG 6.0µm Low Intensity Level 1	10ml
23523-10	Flow Check™ YG 6.0µm Low Intensity Level 2	10ml
23521-10	Flow Check™ YG 6.0µm Unlabeled	10ml
23518-10	Flow Check™ YG 2.0µm High Intensity	10ml
24288-5	Flow Check™ Ruby Red Fluorescent Microspheres	5ml

## TO ORDER

In The U.S. Call: 1(800) 523-2575 • (215) 343-6484

In The U.S. Fax: 1(800) 343-3291 • (215) 343-0214

In Germany Call: +(49) 06201-845200

In Germany Fax: +(49) 06201-8452020

In Asia Call: (886) 2 8712 0600

In Asia Fax: (886) 2 8712 2677

Order online anytime at [www.polysciences.com](http://www.polysciences.com)