

# Bright Count Microspheres™

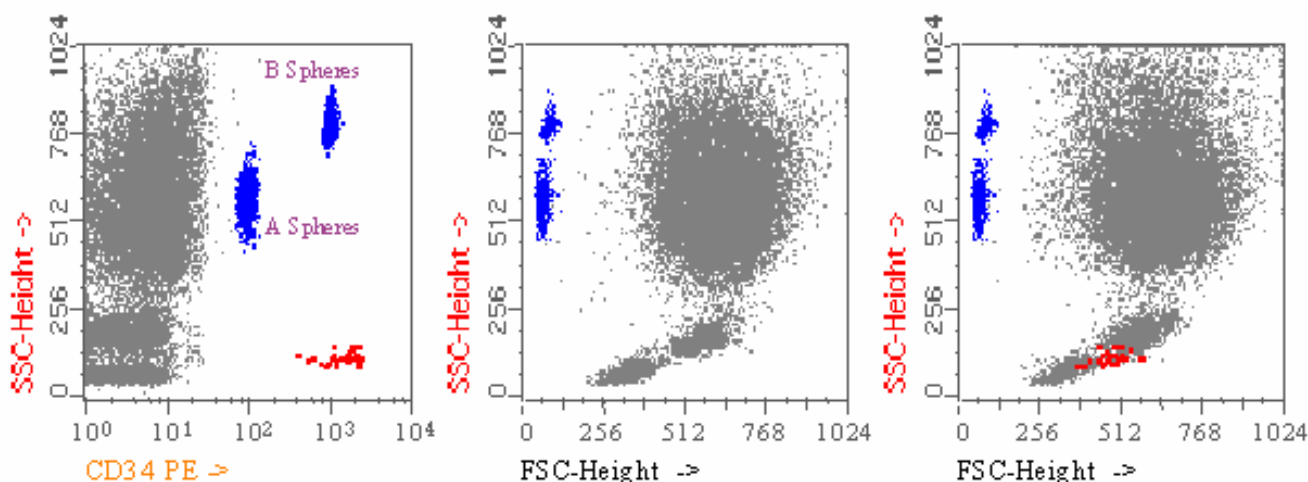
*Standardizing absolute counting in flow cytometry*

Ideal for quantitative measurement of cell subsets in studies of

- CD34+ haematopoietic progenitor cells,
- CD4/CD8 T-lymphocytes,
- Residual leucocytes in transfusion bags
- ...and many more



Contains two different fluorescent microspheres that provide an internal reference standard to assure accurate and sensitive results



## Advantages

the only available single platform for absolute counting with a double internal standard determining if homogeneous acquisition is performed

easy to use and analyze by ignoring sideward scatter adjustments leading to visualization of all the positively stained cells and bead clusters

One absolute count per cell population, leading to more accuracy, precision and reproducibility added protein supplements preventing vanishing bead phenomenon ensuring accurate counting

Product	Tests	Code
Bright Count Microspheres	50 tests	IQP-391
Bright Count Microshperes	100 tests	IQP-392

## Description

Bright Count Microspheres™ are an efficient single-platform method for absolute counting that combine the advantages of direct flow cytometric immunophenotyping with the use of two different fluorescent microspheres.

These beads are used as a double internal standard for blood volume calculation and both contain multiple fluorophores that can be detected in FL1, FL2, FL3 and FL4 but with different fluorescence intensities which permits their differentiation.

## Procedure

A known volume of Bright Count Microspheres™ is added to an equal amount of stained blood in a lyse-no-wash technique and the beads are counted along with cells.

Since the concentration of fluorospheres is known, the number of cells per microliter is calculated by relating the number of cells counted to the total number of fluorescent microsphere events per unit of volume.

As the Bright Count Microspheres™ system contains two different fluorospheres in a known proportion, the accuracy of the assay is assured by verifying the proportion of both types of beads after acquisition as defined by the manufacturer.

*Patented by The University of Salamanca*



## Information Request Form

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<b>Telephone</b>		<b>Fax</b>		<b>E-mail</b>	
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