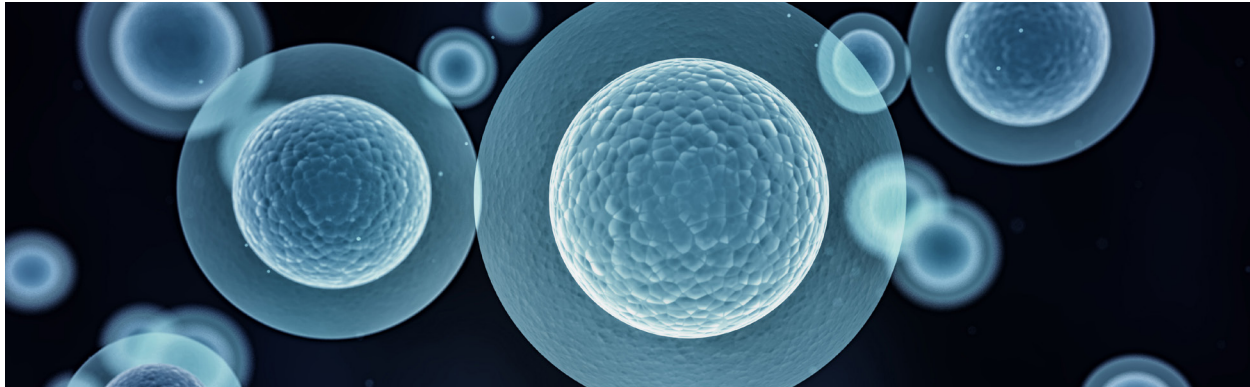


Cell Cycle Analysis

Cell Viability, Cell Proliferation, and Live-Cell Function



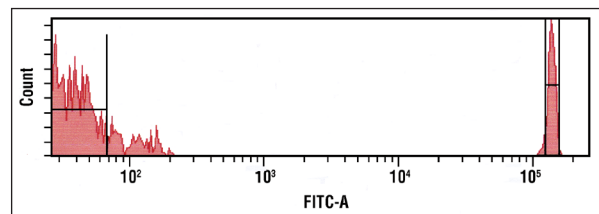
Bangs Laboratories offers a range of microspheres that may be used as standards to support assays in cell cycle analysis. Beads may be used for routine instrument set-up and QC, or as test-specific standards. Standards are available for use with flow cytometers, fluorescence microscopes, and cell viability analyzers. Custom products or preparations can also be manufactured to meet the requirements of specific assays or analyzers.

Fluorescence Reference Standards

Products include beads that may be used as single-color fluorescent reference standards, or mixed at specific ratios to achieve different levels of surrogate viable, apoptotic, or dead populations. Several of the actual dyes that are commonly used in cell cycle analysis (e.g. AO, DAPI, Fluorescein, Hoechst, PI) are represented within our line of Fluorescence Reference Standards (FRS), and we additionally offer many fluorescent beads that may be used as spectral surrogates for other stains and indicators. See our Flow Cytometry Technical Guide or our website (www.bangslabs.com) for a full listing of FRS and spectra for other fluorescent dyes.

Viability Dye Compensation Standard

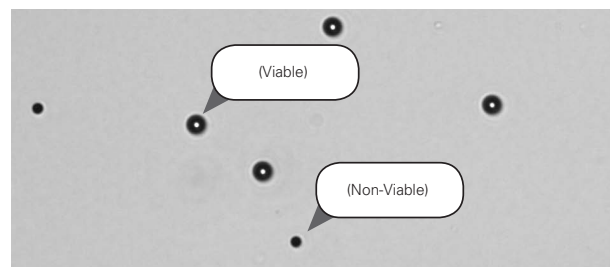
Viability Dye Compensation Standards are suitable for labeling with LIVE / DEAD® stains or other amine-reactive dyes to generate compensation or general reference standards for flow cytometric analyses. Beads are available in two diameters that approximate the sizes of common cell populations. (cat. code 450, 4µm & cat. code 451, 8µm)



Unlabeled and FITC-labeled Viability Dye Compensation Standards

ViaCheck™ Viability and Concentration Controls

Our ViaCheck™ Viability and Concentration Control microsphere standards mimic the optical characteristics of live (undyed) and dead (blue dyed) cells in the trypan blue dye exclusion method. Non-biological surrogates remove the need for significant sample preparation, and offer exceptional stability and reproducibility. ViaCheck™ microsphere standards are pre-stained, and need only be loaded into the analyzer for confirmation of live / dead ratios and counts. They are available in a range of common concentrations and viability ratios.



Representative image ViaCheck™ Viability Control particles. (Vi CELL XR).

FLUORESCENCE REFERENCE STANDARDS

Cat. #	Product Description
897	Acridine Orange
906	DAPI
891	Fluorescein (FITC)
894	Hoechst 33342
892	Propidium Iodide
915	Violet Laser

VIABILITY DYE COMPENSATION STANDARD

Cat. #	Product Description
450	Viability Dye Standard, 4µm
451	Viability Dye Standard, 8µm

CELL VIABILITY - VIACHECK™

Cat. #	Product Description
VC10B	ViaCheck™ 0% Viability Control
VC25B	ViaCheck™ 25% Viability Control
VC20B	ViaCheck™ 50% Viability Control
VC30B	ViaCheck™ 75% Viability Control
VC40B	ViaCheck™ 90% Viability Control
VC50B	ViaCheck™ 100% Viability Control
VC50N	ViaCheck™ Concentration Control (.05 x 10 ⁶)
VC60N	ViaCheck™ Concentration Control (1 x 10 ⁶)
VC70N	ViaCheck™ Concentration Control (4 x 10 ⁶)
VC80N	ViaCheck™ Concentration Control (8 x 10 ⁶)

CELL VIABILITY - VIACHECK™ SINGLESOTS™

Cat. #	Product Description
VC10BSS	ViaCheck™ 0% Viability Control
VC25BSS	ViaCheck™ 25% Viability Control
VC20BSS	ViaCheck™ 50% Viability Control
VC30BSS	ViaCheck™ 75% Viability Control
VC40BSS	ViaCheck™ 90% Viability Control
VC50BSS	ViaCheck™ 100% Viability Control
VC50NSS	ViaCheck™ Concentration Control (.05 x 10 ⁶)
VC60NSS	ViaCheck™ Concentration Control (1 x 10 ⁶)
VC70NSS	ViaCheck™ Concentration Control (4 x 10 ⁶)
VC80NSS	ViaCheck™ Concentration Control (8 x 10 ⁶)

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Bangs Laboratories manufactures magnetic, polymeric and silica microsphere products setting the standards for diagnostic, research, and flow cytometry applications. No matter the project, we have a product that serves or we'll work to custom-design a solution to fit. And that's not the half of it.


We also stand behind our products. Regardless of the size of your question or the size of your company, we offer tech support, absolutely free.

Sound interesting? 

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