Datasheet: FCSC555PB

BATCH NUMBER 167861

Description:	QUANTUM™ FITC-5 MESF (PRE-MIXED)
Name:	QUANTUM™ FITC-5 MESF (PRE-MIXED)
Format:	Flow Cytometry Calibration Reagent
Product Type:	Accessory Reagent
Quantity:	100 TESTS

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.05% Sodium Azide (NaN_3)

Product Information

Quantum™ FITC-5 MESF (pre-mixed) is comprised of five calibrated fluorescent populations in one tube, each with different levels of FITC fluorescence intensity, and one blank population of uniform microspheres that are approximately the size of human lymphocytes (7-9µm). The excitation and emission spectra of the microspheres match those of cell samples labeled with FITC.

Intended Use

FCSC555PB is used in the quantitation of FITC fluorescence intensity in Molecules of Equivalent Soluble Fluorochrome (MESF) units. When used in conjunction with Simply Cellular microspheres this kit also allows quantitation of Antibody Binding Capacity (ABC).

This kit enables fluorescence intensity of a sample to be directly quantified in terms of MESF units and for samples from different instruments to be accurately compared. The fluorescence intensity of each of the five populations in the kit have been calibrated against solutions of laser grade fluorescent dye in units of MESF FITC per microsphere. The Certified Blank population is used to measure the fluorescence detection threshold of

	the instrument. Correct use of the kit enables: 1) Quantitation of fluorescence intensity of samples in terms of MESF; 2) Determination of instrument fluorescence detection threshold; 3) Determination of instrument linearity; 4) Data comparison over time and between multiple instruments.
Reagents In The Kit	1 x 5ml bottle of unlabeled microbeads 1 x 5ml bottle containing the 5 populations of labeled microbeads
Instructions For Use	Instructions for use can be found at www.bio-rad-antibodies.com/uploads/IFU/FCSC555PB.pdf
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.
Guarantee	Guaranteed until date of expiry. Please see product label.
Acknowledgements	Quantum is a trademark of Bangs Laboratories, INC.
Health And Safety Information	Material Safety Datasheet documentation #10042 available at: https://www.bio-rad-antibodies.com/SDS/FCSC555PB 10042
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

QUANTUM™ SIMPLY CELLULAR® MOUSE IgG (FCSC815B)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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