

Datasheet: BUF09C

LEUCOPERM™
LEUCOPERM™
Reagent
Accessory Reagent
1000 TESTS

Product Details

Applications	This product has been reported to work in the following applications. This information is from testing within our laboratories, peer-reviewed publications or personal communicat the originators. Please refer to references indicated for further information. For general proceedings and applied to apply an interview.						
	recommendations, please visit <u>www.bio-rad-antibodies.com/protocols</u> . Yes No Not Determined Suggested Dilution						
	Flow Cytometry	Yes	NU	Not Determined	Suggested Dilution		
	LEUCOPERM [™] reagents are intended for fixing cells in suspension with Reagent A and then permeabilising the cells with Reagent B. The specific formulations reduce background staining and allow simultaneous addition of permeabilisation medium and fluorochrome labelled antibodies.						
Product Form	Reagent A - Fixation medium Reagent B - Permeabilisation medium						
Preservative Stabilisers	Formaldehyde in Reagent A						
Product Information	Flow cytometric analyses with monoclonal antibodies have been restricted primarily to cell surface molecules. Intracellular structures such as cytoplasmic or nuclear enzymes, oncoproteins, cytokines, immunoglobulins etc. were largely excluded from such studies. Also excluded from flow cytometric studies were cytoplasmic localisations of well established membrane molecules such as CD3 and CD22.						
	LEUCOPERM [™] reagents allow intracellular antigen analysis with the same ease antigens. The only prerequisite is the availability of suitable antibody conjugates. available monoclonal antibody conjugates can be used with LEUCOPERM [™] reag determinants are sensitive, however, to the fixation step involved. This and the op may have to be determined experimentally for each antibody conjugate.						
Instructions For Use	For the detection of cell cycle antigens such as Ki-67, PCNA and BrdU, methanol modification is recommended - see <u>protocol #F5</u> .						
	1. Prepare cells in the appr cells/ml in PBS/BSA. Whole EDTA anti-coagulant in the heparin or acid-citrate dextr	e blood sai se circums	mples may	also be used. Bio-Rad re	ecommend the use of		

	 Add 100ul of cell suspension to the appropriate number of test tubes. If required, perform staining of cell surface antigens at this stage. Following staining for the recommended period, wash cells once in PBS/BSA and discard supernatant. Add 100ul of Reagent A (fixation medium, stored at room temperature). Incubate for 15 minutes at room temperature. Add 3ml PBS/BSA and centrifuge for 5 minutes at 300 x g. Remove supernatant. Resuspend cells in 100ul of Reagent B (Permeabilization Medium). Immediately add recommended volume of the appropriate directly conjugated antibody. Vortex and incubate for 30 minutes at room temperature. If using an unconjugated primary antibody, wash in 3ml of PBS/BSA (as per step 5) and then repeat step 7 using an appropriate secondary antibody. There is no requirement to add further Leucoperm[™]. Wash once in PBS/BSA. Remove supernatant and resuspend cells in sheath fluid for immediate
	analysis or resuspend cells in 0.25ml of 0.5% formaldehyde and store them at 2-8°C in the dark. Analyse fixed cells within 24 hours.
References	 Chiu, W.C. <i>et al.</i> (2009) Effects of dietary fish oil supplementation on cellular adhesion molecule expression and tissue myeloperoxidase activity in hypercholesterolemic mice with sepsis. J Nutr Biochem. 20: 254-60. Grundy, M. <i>et al.</i> (2010) The FLT3 internal tandem duplication mutation is a secondary target of the aurora B kinase inhibitor AZD1152-HQPA in acute myelogenous leukemia cells. Mol Cancer Ther. 9: 661-72. Taylor, L. <i>et al.</i> (2010) The effect of acute hypoxia on heat shock protein 72 expression and oxidative stress in vivo. Eur J Appl Physiol. 109 (5): 849-55. Myles, A. <i>et al.</i> (2011) Expression of Toll-like receptors 2 and 4 is increased in peripheral blood and synovial fluid monocytes of patients with enthesitis-related arthritis subtype of juvenile idiopathic arthritis. Rheumatology (Oxford). 50: 481-8. Osorio, Y. <i>et al.</i> (2011) Identification of small molecule lead compounds for visceral leishmaniasis using a novel ex vivo splenic explant model system PLoS Negl Trop Dis. 5:e962. Jiang, W.J. <i>et al.</i> (2016) Popdc1/Bves Functions in the Preservation of Cardiomyocyte Viability While Affecting Rac1 Activity and Bnip3 Expression. J Cell Biochem. Nov 25. [Epub ahead of print] Parry, D.A. <i>et al.</i> (2015) A novel DNA vaccine for reduction of PRRSV-induced negative immunomodulatory effects: A proof of concept. Vaccine. 33 (32): 3997-4003. Dishon, S. <i>et al.</i> (2017) Phenotypic switch in lung interstitial macrophage polarization in an ovalbumin-induced mouse model of asthma. <u>Exp Ther Med. 14 (2): 1284-92</u>.
Storage	LEUCOPERM [™] Cell Permeabilisation reagents should be stored and used at room temperature. DO NOT FREEZE. Do not use reagents if a precipitate forms or discolouration occurs.

Shelf Life	9	12 months f	rom date of					
Health A Informati	nd Safety on	Material Safety Datasheet documentation #10187 #10509 available at: Reagent A - Fixation medium (10187): <u>https://www.bio-rad-antibodies.com/uploads</u> / <u>MSDS/10187.pdf</u> Reagent B - Permeabilisation medium (10509): <u>https://www.bio-rad-antibodies.com/uploads</u> / <u>MSDS/10509.pdf</u>						
Regulato	ry	For research	n purposes o	only				
North & South America	Tel: +1 800 265 7376 Worldwide Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com		Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio	Europe -rad.com	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com			
				'M308623:170727'				
				Printed on 01 May 2018				

© 2018 Bio-Rad Laboratories Inc | Legal | Imprint