Datasheet: BUF012B BATCH NUMBER 146805

Description:	alamarBlue®
Name:	alamarBlue®
Format:	Reagent
Product Type:	Accessory Reagent
Quantity:	100 ml

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 <u>www.bio-</u>					
	rad-antibodies.com/protocols.					
		Yes	No	Not Determined	Suggested Dilution	
	ELISA	-				
	Immunofluorescence	•				
	Functional Assays	-				
	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 recomm	nended th	at the use	er titrates the product	t for use in their own	
	system using appropriate negative/positive controls.					
Product Form	Liquid					
Preservative Stabilisers	None present					
Product Information	The cell proliferation ass sensitive measure of cell lines, bacteria and fungi.	ay reager proliferat	nt alamarE ion and c <u>y</u>	Blue [®] is designed to p ytotoxicity in various	provide a rapid and human and animal cell	
	alamarBlue [®] is an indicator dye, that incorporates an oxidation-reduction (REDOX) indicator that both fluoresces and changes colour in response to the chemical reduction of growth medium, resulting from cell growth. The alamarBlue [®] cell proliferation assay reagent is designed to quantitatively measure the proliferation of various human and animal cell lines, bacteria and fungi.					
	Some variability in the all batches should fall l and 602nm on a spectr	absorbar between ophotom	nce may o 0.84 and eter.	occur between batc 0.95AU when meas	hes of AlamarBlue® but ured between 600nm	

	Full cell proliferation assay instructions can be found here		
	Colorimetric and Fluorescence result calculators can be found here.		
	For further information and Technical help about alamarBlue [®] , the cell proliferation assay reagent, please visit <u>www.bio-rad-antibodies.com/alamarBlue</u> This site includes: Frequently Asked Questions Example calculations Product-related references		
Test Principle	 Cell proliferation assay Growing cells cause a chemical reduction of alamarBlue[®]. Continued growth maintains a reduced environment. (fluorescent, red). Inhibition of growth maintains an oxidized environment. (non-fluorescent, blue). Data may be collected using either fluorescence-based or absorbance-based instrumentation. Fluorescence is monitored at 530-560nm excitation wavelength and 590nm emission wavelength. Absorbance is monitored at 570nm and 600nm. 		
Intended Use	 Cell proliferation assays. The reagent can be used to establish proliferation or relative cytotoxicity in a cell proliferation assay. Baseline data for predicting the toxicity of related novel agents can be compared to baseline data with known in-vivo toxicity. alamarBlue[®] is for use between pH6.8 and pH7.4. 		
Instructions For Use	Instructions for use can be found at <u>www.bio-rad-antibodies.com/uploads</u> /IFU/BUF012B.pdf		
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Further Reading	1. Rampersad SN (2012) Multiple applications of Alamar Blue as an indicator of metabolic function and cellular health in cell viability bioassays. <u>Sensors (Basel). 12 (9): 12347-60.</u>
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	Manufactured for Bio-Rad by Trek Diagnostic System. U.S. patent 5,501,959.
Health And Safety Information	Material Safety Datasheet documentation #10289 available at: https://www.bio-rad-antibodies.com/SDS/BUF012B 10289
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

alamarBlue® (BUF012A)

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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