

Datasheet: BUF04B

BATCH NUMBER 1804

Description:	ERYTHROLYSE RED BLOOD CELL LYSING BUFFER (10x)
Name:	RED CELL LYSING BUFFER
Format:	Reagent
Product Type:	Accessory Reagent
Quantity:	100 TEST/20ml

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.

Instructions For Use

Bio-Rad ERYTHROLYSE is supplied as a 10X concentration solution which must be diluted 1/10 with distilled water before use.

Bio-Rad ERYTHROLYSE is designed for use in whole blood immunofluorescent staining procedures and is suitable for use with human, rat and mouse blood.

Following staining according to standard procedures ([worksheets](#) available on request), 2ml of diluted ERYTHROLYSE is added to 100ul of whole blood, mixed well and incubated for 10 minutes at room temperature. The tubes should then be centrifuged (400g, 5 minutes), the supernatant decanted and cells washed once in 2ml PBS/1% BSA before analysis by flow cytometry.

References

1. Clausen, B.H. *et al.* (2008) Interleukin-1beta and tumor necrosis factor-alpha are expressed by different subsets of microglia and macrophages after ischemic stroke in mice. [J. Neuroinflammation. 5:46.](#)
2. Hussein, O.A. *et al.* (2010) Neutrophil CD64 Expression in Inflammatory Autoimmune Diseases: Its Value in Distinguishing Infection from Disease Flare. [Immunol Invest. 39: 699-712.](#)
3. Peart DJ *et al.* (2015) Implications of a pre-exercise alkalosis-mediated attenuation of

HSP72 on its response to a subsequent bout of exercise. [Amino Acids. Oct 3. \[Epub ahead of print\]](#)

4. Zarkesh-Esfahani, H. *et al.* (2001) High-dose leptin activates human leukocytes via receptor expression on monocytes. [J Immunol. 167 \(8\): 4593-9.](#)
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7. Zhang, Z.Y. & Schluesener, H.J. (2012) HDAC inhibitor MS-275 attenuates the inflammatory reaction in rat experimental autoimmune prostatitis. [Prostate. 72 \(1\): 90-9.](#)
8. Li, M. *et al.* (2012) Astragaloside IV protects against focal cerebral ischemia/reperfusion injury correlating to suppression of neutrophils adhesion-related molecules. [Neurochem Int. 60 \(5\): 458-65.](#)
9. Villaescusa, A. *et al.* (2012) Immunophenotypic evaluation of working Labrador Retrievers and German Shepherd dogs living in the same environment. [Vet J. 193 \(2\): 602-5.](#)
10. Elgström, M. E *et al.* (2015) Role of CD8-positive cells in radioimmunotherapy utilizing (177)Lu-mAbs in an immunocompetent rat colon carcinoma model. [EJNMMI Res. 5: 3.](#)
11. García-Sancho M *et al.* (2014) Comparative study of peripheral blood leukocytes in healthy dogs and in dogs with cancer and inflammatory diseases. [J Vet Diagn Invest. 26 \(2\): 282-5.](#)
12. Karayannopoulou, M. *et al.* (2017) Evaluation of blood T-lymphocyte subpopulations involved in host cellular immunity in dogs with mammary cancer. [Vet Immunol Immunopathol. 186: 45-50.](#)
13. Dwivedi, S. *et al.* (2010) Rac1-mediated signaling plays a central role in secretion-dependent platelet aggregation in human blood stimulated by atherosclerotic plaque. [J Transl Med. 8: 128.](#)

Storage	The 10X concentrated ERYTHROLYSE should be stored at room temperature and is stable for 1 year. Do not use if any discolouration or precipitation occurs in the ERYTHROLYSE solution. The information regarding the products is believed to be accurate, but the information and products have no warranty or guarantee other than those specified, since the ultimate conditions of use and the variability of the materials are beyond our control. We cannot be responsible for and we do not intend these products or the accompanying information to be used for patent infringement or other such violations.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10212 available at: https://www.bio-rad-antibodies.com/SDS/BUF04B 10212
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Regulatory	For research purposes only
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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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