

Datasheet: BUF074

BATCH NUMBER 173384

Description:	MONENSIN SOLUTION (1000X)
Name:	MONENSIN SOLUTION
Format:	Reagent
Product Type:	Accessory Reagent
Quantity:	1 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 www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/1000

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.

Product Form 1000x concentrate - liquid

Preparation 2 mM solution prior to dilution

Preservative Stabilisers 70% Ethanol

Product Information **Monensin Solution (1000x)** is a polyether ionophore antibiotic that inhibits intracellular protein transport by blocking Golgi transport. This causes intracellular cytokines to be retained in the endoplasmic reticulum during cell stimulation. Monensin enables enhanced detection of intracellular cytokines and assessment of immune responses in cell populations. It is commonly used with other protein transport inhibitors, such as brefeldin A, for enhanced cytokine retention.

Instructions For Use

1. Dilute the Monensin Solution (1000x) to a 1x working concentration using cell culture media
2. Add Monensin Solution (1x) to cell culture for 4-24 hours prior to antibody staining. Do not exceed cell culture time as this may affect cell viability

Note: Time and cell culture conditions may need to be optimized

Storage	This product is shipped at ambient temperature. Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Ethanol is flammable, keep away from sources of fire.
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #20381 available at: https://www.bio-rad-antibodies.com/SDS/BUF074
Regulatory	For research purposes only

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M439334:250523'

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