

Product Datasheet

Calcein Blue, AM Solution NBP2-31158

Unit Size: 1 mg

Store at -20C in the dark. Avoid freeze-thaw cycles.

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Updated 11/12/2019 v.20.1

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NBP2-31158

Calcein Blue, AM Solution

Product Information

Unit Size	1 mg
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at -20C in the dark. Avoid freeze-thaw cycles.
Preservative	No Preservative
Buffer	DMSO

Product Description

Description	Calcein Blue AM is a viability dye that can be used in permeabilized cells. Upon uptake by a live cell, Calcein Blue AM is cleaved by intracellular esterases resulting in fluorescence. Dead cells will not have sufficient esterase activity and will not fluoresce. In this way, dead cells may be identified by their low Calcein Blue AM signal. Calcein Blue AM is efficiently excited by a UV laser and emits at 450nm.
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Product Application Details

Applications	Flow Cytometry
Recommended Dilutions	Flow Cytometry
Application Notes	Calcein Blue AM should be used at as low a final working concentrations as possible to minimize potential artifacts (usually between 1 and 10 uM). Generally, 15 minutes to 1 hour is sufficient for cellular uptake and processing of the dyes.





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