

Product Datasheet

DRAQ9 (TM) **NBP2-81128-200ul**

Unit Size: 200 ul

Store at -20C.

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Updated 8/21/2025 v.20.1

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NBP2-81128-200ul

DRAQ9 (TM)

Product Information

Unit Size	200 ul
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.
Purity	>97%

Product Description

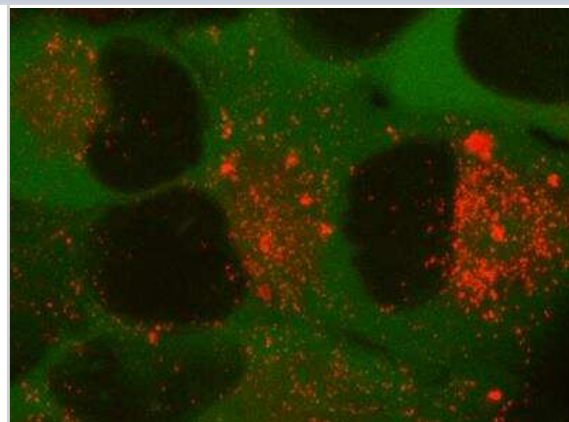
Description	<p>Key Features of DRAQ9 (TM) :</p> <p>Far-red dye that stains membraneous structures in the cytoplasm but not the nucleus</p> <p>Live-cell, permeant dye that can be used for live or fixed cells</p> <p>Track cells through mitotic cell division and monitor spheroid/organoid cultures in real-time</p> <p>Non-toxic and optimal for long-term imaging studies, up to several days</p> <p>Used for cell painting or mosaic analysis in high content phenotypic screening</p> <p>Spectrally compatible with GFP/FITC and UV-excited probes such as Hoechst</p> <p>Products are shipped at ambient temperature, but on receipt packs should be stored at -20C. Thaw and adjust temperature to above 20C before use.</p>
Notes	DRAQ9 (TM) is a registered trademark of BioStatus Limited.

Product Application Details

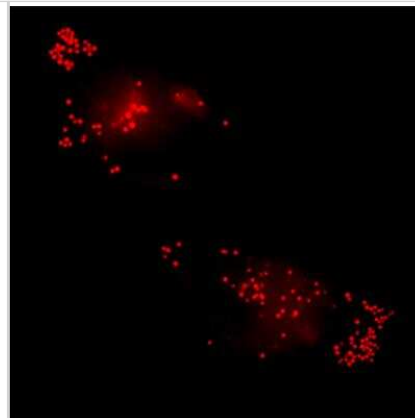
Applications	Immunocytochemistry/ Immunofluorescence, Live Imaging Microscopy, Fluorescence Imaging
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence 1:50 - 1:500, Live Imaging Microscopy 1:500, Fluorescence Imaging 1:50 - 1:500
Application Notes	DRAQ9 (TM) is supplied as a DMSO solution at a concentration of 1mM: the 200 ul size equates to 8x 24-multi-well plates and 5x 96-microtiter plates. The 1 ml size equates to 40x 24-multi-well plates, 25x 96-microtiter plates, and 3.3x 384-microtiter plates.

Images

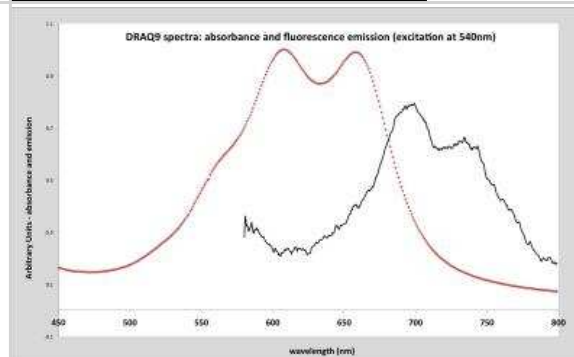
Fluorescence Imaging: DRAQ9 (TM) [NBP2-81128] - Cells stained with .



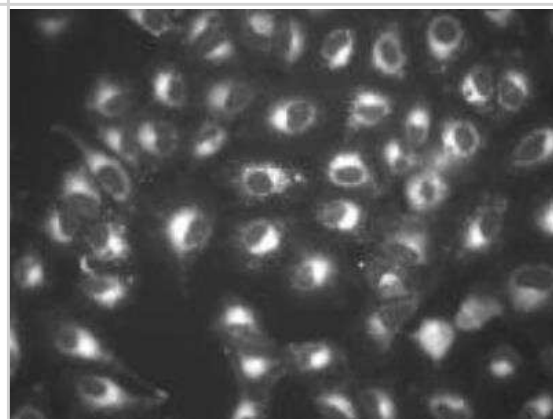
Live Imaging Microscopy: DRAQ9 (TM) [NBP2-81128] - DRAQ9 was diluted in EMEM culture media and applied to live HeLa cells at 2 μ M (1:500) for 30 minutes at room temperature and protected from light. Imaging was done immediately after staining without washing the cells.



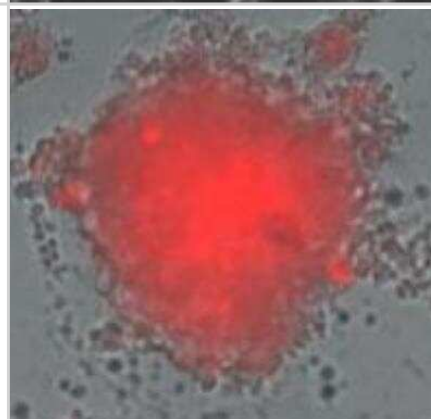
DRAQ9 (TM) [NBP2-81128] - Excitation and Emission Spectra for DRAQ9 (TM).



Live Imaging Microscopy: DRAQ9 (TM) [NBP2-81128] - labelling of live U2OS cells for 48 h at 2 μ M - showing a number of cells in mitosis.



Fluorescence Imaging: DRAQ9 (TM) [NBP2-81128] - 6-day U2OS spheroid with continuous labeling with at 2 μ M.



Publications

Yosief R, Nebbioso G, Koshkin V et al. Making Cytometry of Reaction Rate Constant (CRRC) Applicable to Motile Cells ChemRxiv 2022-04-21 (CS)



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