

Product Datasheet

DRAQ5 (TM) - 0.5 mM NBP2-81129

Unit Size: 500 ul

Store at 4C in the dark. Do not freeze.

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NBP2-81129

DRAQ5 (TM) - 0.5 mM

Product Information

Unit Size	500 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 4C in the dark. Do not freeze.
Purity	>97%

Product Description

Description	<p>Key Features of DRAQ5 (TM) :</p> <p>Bright, far-red DNA dye that works on live or fixed cell and tissue preparations for multiple applications such as flow cytometry, fluorescence imaging, and high content screening</p> <p>Proven no-lyse, no-wash method for measuring DNA content in cells</p> <p>Tested on hundreds of cell and tissue types</p> <p>Exceptionally photostable so no photobleaching effect</p> <p>Convenient, ready-to-use formulation</p> <p>Enables phenotyping of blood/BM and direct cellular DNA content analysis in flow cytometry without any RBC lysis or fixation, permeabilization or RNase treatment</p> <p>Spectrally compatible with most visible-range fluorophores including GFP/FITC and R-PE</p>
Notes	Products are shipped at ambient temperature, but on receipt packs should be stored at 2-8C. DO NOT FREEZE. DRAQ5 (TM) can come out of solution when frozen and it is difficult (but not impossible) to get it back into solution.

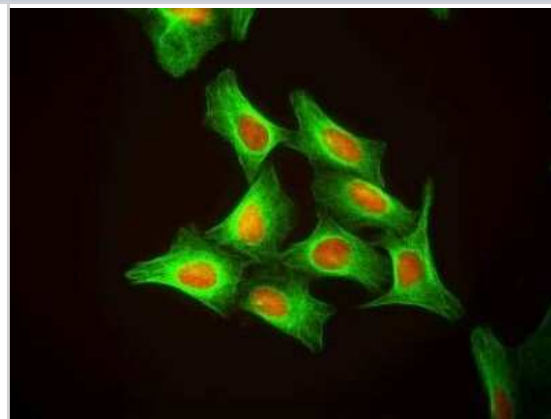
Product Application Details

Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Live Imaging Microscopy, Fluorescence Imaging
Recommended Dilutions	Flow Cytometry 1:25 - 1:100, Immunocytochemistry/ Immunofluorescence 1:100, Live Imaging Microscopy 1:100, Fluorescence Imaging 1:100
Application Notes	DRAQ5 (TM) is supplied at a concentration of 0.5 mM for 250 Imaging assays or 100 Flow Cytometry assays. It can be diluted in culture media (e.g. RPMI 1640) and physiological buffers (eg PBS, Hankss, etc.) and mixed with fixatives such as formaldehyde.

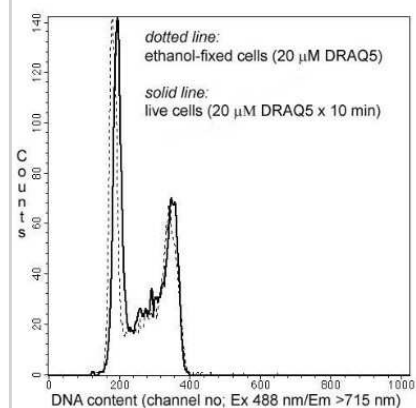


Images

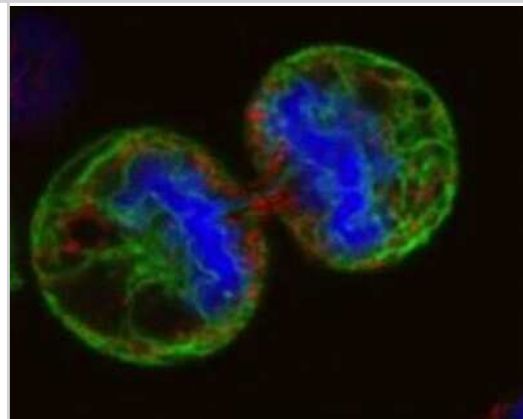
Immunocytochemistry/Immunofluorescence: DRAQ5 (TM) - 0.5 mM [NBP2-81129] - DRAQ5 (TM) (red) counterstaining of fixed U2OS cells. AlexaFluor 488 antibody to beta-tubulin (green).



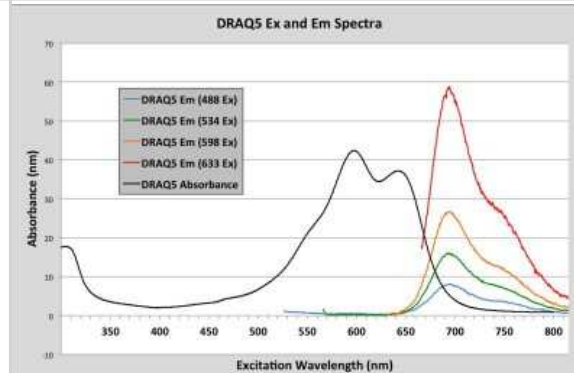
Flow Cytometry: DRAQ5 (TM) - 0.5 mM [NBP2-81129] - No lyse, no wash gating of nucleated cells from whole bone marrow gating on DRAQ5 (TM) signal.



Immunocytochemistry/Immunofluorescence: DRAQ5 (TM) - 0.5 mM [NBP2-81129] - DRAQ5 (TM) used to stain dsDNA of dividing cells.



DRAQ5 (TM) - 0.5 mM [NBP2-81129] - Excitation and Emission Spectra for DRAQ5 (TM).





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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