

# Product Datasheet

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

Unit Size: 200 ul

Store at -20C.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-81128](http://www.novusbio.com/NBP2-81128)

Updated 8/21/2025 v.20.1

**Earn rewards for product reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-81128](http://www.novusbio.com/reviews/destination/NBP2-81128)



**NBP2-81128-200ul**

DRAQ9 (TM)

**Product Information**

<b>Unit Size</b>	200 ul
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at -20C.
<b>Purity</b>	>97%

**Product Description**

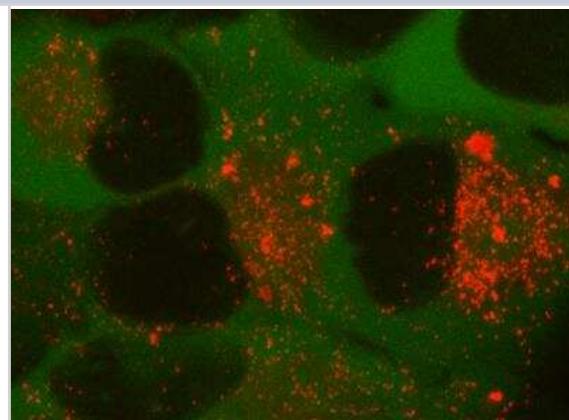
<b>Description</b>	<p><b>Key Features of DRAQ9 (TM) :</b></p> <p>Far-red dye that stains membranous structures in the cytoplasm but not the nucleus</p> <p>Live-cell, permeant dye that can be used for live or fixed cells</p> <p>Track cells through mitotic cell division and monitor spheroid/organoid cultures 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>
<b>Notes</b>	DRAQ9 (TM) is a registered trademark of BioStatus Limited.

**Product Application Details**

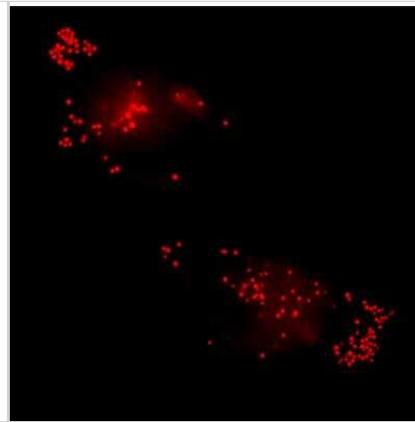
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Live Imaging Microscopy, Fluorescence Imaging
<b>Recommended Dilutions</b>	Immunocytochemistry/ Immunofluorescence 1:50 - 1:500, Live Imaging Microscopy 1:500, Fluorescence Imaging 1:50 - 1:500
<b>Application Notes</b>	DRAQ9 (TM) is supplied 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**

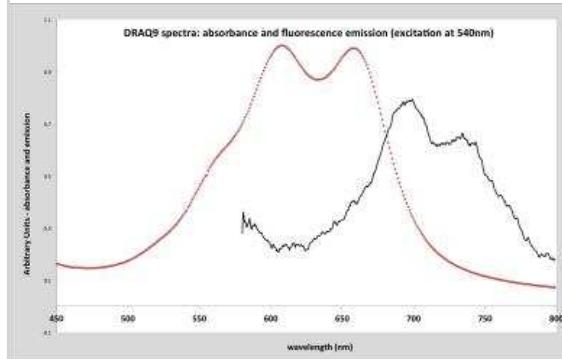
Fluorescence Imaging: DRAQ9 (TM) [NBP2-81128] - Cells stained with .



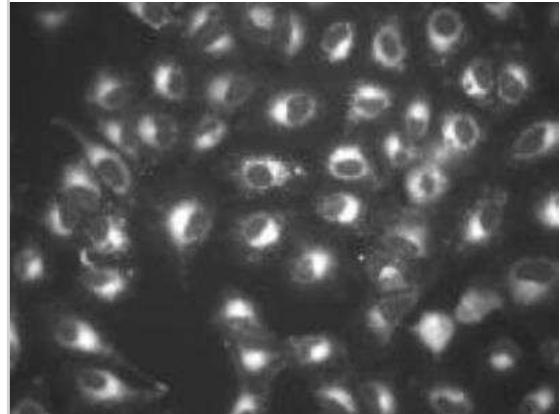
Live Imaging Microscopy: DRAQ9 (TM) [NBP2-81128] - DRAQ9 was diluted in EMEM culture media and applied to live HeLa cells at 2  $\mu$ M (1:500) for 30 minutes at room temperature and protected from light. Imaging was done immediately after staining without washing the cells.



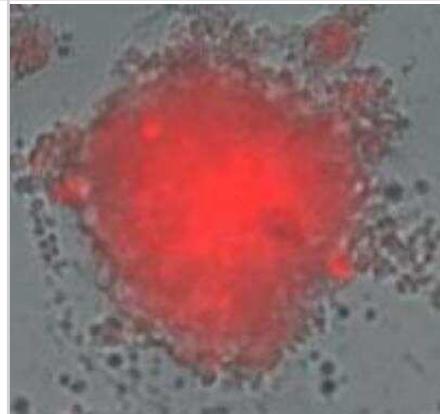
DRAQ9 (TM) [NBP2-81128] - Excitation and Emission Spectra for DRAQ9 (TM).



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



Fluorescence Imaging: DRAQ9 (TM) [NBP2-81128] - 6-day U2OS spheroid with continuous labeling with at 2  $\mu$ 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)



## Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

## Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

## Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

## General Contact Information

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## 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.

**For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)**

**Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-81128](http://www.novusbio.com/reviews/submit/NBP2-81128)**

**Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)**