

# DRAQ7™

1 ml



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**For Research Use Only. Not For Use In Diagnostic Procedures.**

Applications	Species Cross-Reactivity*
F	All

**Storage:** Store at 4°C, protected from light. Do not freeze.

**Background:** DRAQ7™ is a far-red fluorescent DNA dye that only stains the nuclei in dead and permeabilized cells. It can be used in combination with GFP, FITC, and PE labels.

**Directions for Use:** Flow Cytometry: Prepare cells for DRAQ7™ staining by resuspending cells in PBS at a concentration of no more than 5 x 10<sup>6</sup> cells/ml. For each 0.5 ml of cell suspension, dilute DRAQ7™ 1:100 by adding 5 µl to suspended cells, achieving a final concentration of 3 µM. Gently mix and incubate for 10 minutes on ice. Cells should be analyzed directly in the presence of DRAQ7™.

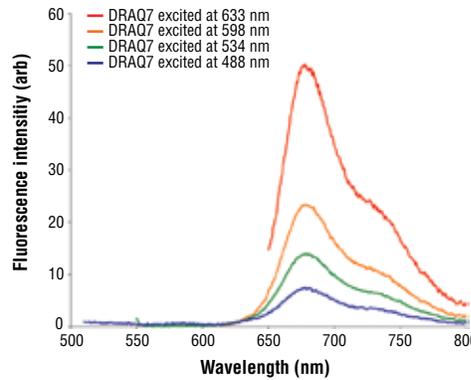
**Fluorescent Properties:**

Exλ<sub>max</sub> 599/644 nm

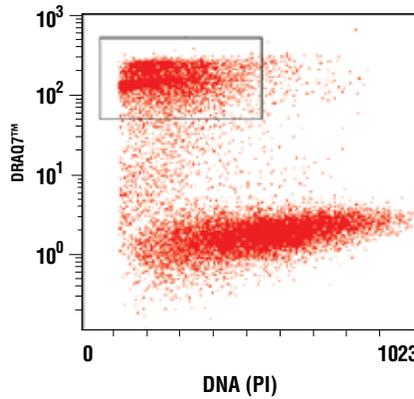
Emλ<sub>max</sub> 678/694 nm

DRAQ7™ may be excited by a wide range of wavelengths from 488-647 nm. Despite low absorbance at 488 nm, this excitation source allows for convenient combination with FITC and PE conjugates as well as EGFP.

DRAQ7™ is provided as a 0.3 mM stock.



DRAQ7™ emission spectra when excited at various wavelengths.



Flow cytometric analysis of unfixed Jurkat cells treated with Staurosporine #9953. Gated population represents DRAQ7™-positive apoptotic cells.

DRAQ7 is a trademark of Biostatus Limited.