

# DRAQ5™

## Far-Red Fluorescent Live-Cell Permeant DNA Dye

### Popular References by Application

#### CORE

- **Smith, Paul J., et al.** "A novel cell permeant and far red-fluorescing DNA probe, DRAQ5, for blood cell discrimination by flow cytometry." *Journal of Immunological Methods* 229.1 (1999): 131-139.
- **Martin, Robert M., Heinrich Leonhardt, and M. Cristina Cardoso.** "DNA labeling in living cells." *Cytometry Part A* 67.1 (2005): 45-52.

#### FLOW CYTOMETRY - GATING NUCLEATED CELLS

- **Kurata, Masaaki, et al.** "Simultaneous measurement of nucleated cell counts and cellular differentials in rat bone marrow examination using flow cytometer." *The Journal of toxicological sciences* 32.3 (2007): 289-299.
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- **McGrath, Kathleen E., Timothy P. Bushnell, and James Palis.** "Multispectral imaging of hematopoietic cells: where flow meets morphology." *Journal of immunological methods* 336.2 (2008): 91-97.

#### FLOW CYTOMETRY - DNA CONTENT ANALYSIS

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- **Yuan, Constance M., et al.** "DRAQ5-based DNA content analysis of hematolymphoid cell subpopulations discriminated by surface antigens and light scatter properties." *Cytometry Part B: Clinical Cytometry* 58.1 (2004): 47-52.
- **Primo, Daniel, et al.** "Impact of BCR/ABL gene expression on the proliferative rate of different subpopulations of haematopoietic cells in chronic myeloid leukaemia." *British journal of haematology* 135.1 (2006): 43-51.
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### FLUORESCENT MICROSCOPY

- **Foley, Kevin F., et al.** "Culture conditions influence uptake and intracellular localization of the membrane permeable cGMP-dependent protein kinase inhibitor DT-2." *Front. Biosci* 10 (2005): 1302- 1312.
- **Visconti, Richard P., et al.** "An in vivo analysis of hematopoietic stem cell potential hematopoietic origin of cardiac valve interstitial cells." *Circulation Research* 98.5 (2006): 690-696.
- **Laakkonen, Johanna P., et al.** "Baculovirus-mediated immediate-early gene expression and nuclear reorganization in human cells." *Cellular microbiology* 10.3 (2008): 667-681.
- **Schjetne, Karoline W., et al.** "Cutting edge: link between innate and adaptive immunity: Toll-like receptor 2 internalizes antigen for presentation to CD4+ T cells and could be an efficient vaccine target." *The Journal of Immunology* 171.1 (2003): 32-36.

### HIGH CONTENT SCREENING / IN VITRO TOX

- **Haasen, Dorothea, et al.** "Comparison of G-Protein Coupled Receptor Desensitization-Related-Arrestin Redistribution Using Confocal and Non-Confocal Imaging." *Combinatorial chemistry & high throughput screening* 9.1 (2006): 37-47.
- **Loechel, Frosty, et al.** "High content translocation assays for pathway profiling." *High Content Screening*. Humana Press, 2006. 401-414.
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- **Berke, Jan Martin, et al.** "Development of a high-content screening assay to identify compounds interfering with the formation of the hepatitis C virus replication complex." *Journal of virological methods* 165.2 (2010): 268-276.
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### IN CELL WESTERNS

- **Hannoush, Rami N.** "Kinetics of Wnt-driven  $\beta$ -catenin stabilization revealed by quantitative and temporal imaging." *PloS one* 3.10 (2008): e3498.

### REVIEW ARTICLES

- **Edward, Roy.** "Red/Far-Red Fluorescing DNA-Specific Anthraquinones for Nucl: Cyto Segmentation and Viability Reporting in Cell-Based Assays." *Methods in Enzymology* 505 (2012): 23



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