DRAQ5®

Store at 4°C

- Small 50 µl
- Large 200 µl

**Background:** DRAQ5®, 1, 5-bis([2-(di-methylamino)ethyl]amino)-4, 8-dihydroxyanthracene-9,10-dione, is a cell permeable far-red fluorescent DNA dye that can be used in live or fixed cells. This dye can be used in combination with GFP or FITC labels. DRAQ5® has been used to examine cellular DNA in flow cytometry and fluorescent microscopy applications (1-3).

**Background References:**

**Applications**

| IF-F | IF-IC | IF-P | F | All |

**Directions for Use:**

- **Flow Cytometry:** Centrifuge cells and resuspend in 0.5 ml DRAQ5® diluted 1:500 (10 µM) in PBS or Antibody Dilution Buffer. Incubate for 5 min at room temperature in the dark before analyzing cells on flow cytometer.

- **Immunofluorescence:** Rinse samples twice in PBS for five minutes each. Dilute DRAQ5® 1:1000 (5 µM) in PBS and incubate for 5 minutes at room temperature in the dark. Rinse samples once in PBS, coat coverslips with anti-fade reagent and examine immediately using appropriate excitation wavelength.

**Storage:** Store at 4ºC protected from light.

**Applications Key:**
- W—Western
- IP—Immunoprecipitation
- IHC—Immunohistochemistry
- ChIP—Chromatin Immunoprecipitation
- IF—Immunofluorescence
- F—Flow cytometry
- E—ELISA

**Species Cross-Reactivity Key:**
- H—human
- M—mouse
- R—rat
- Hm—hamster
- Mk—monkey
- Mi—mink
- C—chicken
- Dm—D. melanogaster
- X—Xenopus
- Z—zebrafish
- B—bovine
- Dg—dog
- Pg—pig
- Sc—S. cerevisiae
- Ce—C. elegans
- Hr—horse
- All—all species expected

**Species enclosed in parentheses are predicted to react based on 100% homology.**