



CERTIFICATE OF ANALYSIS

Product **FLUORESCEIN AVIDIN DCS (CELL SORTER GRADE)**

Catalog No. **A-2011**

Amount **1 mg**

Lot No. **ZD0113**

Protein Concentration **2.0 mg/ml**

Solution **10 mM HEPES, 0.5 M NaCl, pH 8.0, 0.08% sodium azide**

Free Fluorescein **None**

F/P (molar) **9.0**

Storage Conditions **Refrigerate in the dark**

Maximum Excitation @ 495-500 nm

Maximum Emission @ 514-521 nm

Remarks:

The following is a suggested protocol for labeling cells for cell sorter analysis;

1. Incubate cells in approximately 0.2-0.5 ml containing primary antibody for 1 hour at 4 °C.
2. Wash cells one time with ice cold buffer.
3. Add 0.2 - 0.5 ml of biotinylated secondary antibody (approximately 5 µg/ml) to cells. Incubate 15 min. at 4 °C.
4. Wash cells one time with ice cold buffer.
5. Add 0.2 - 0.5 ml Fluorescein Avidin DCS (at 20 µg/ml, in NaHCO₃ buffered saline, pH 8.2). Incubate cells for 5-10 min. at 4 °C.
6. Wash cells 3X with cold buffer.
7. Apply to cell sorter.

For staining cells or tissues using fluorescent microscopy, the recommended concentration range is 5-30 µg/ml with incubation times of 15-30 minutes.

NOTE: Avoid using any biotin-containing solutions to dilute this product. Do not add serums, culture media, non-fat dry milk or other potential sources of biotin since biotin in the diluent will inhibit avidin binding.