

**Fluorescein Diacetate (FDA) Stock Solutions**

(Greg Perry, Ph.D., 2004)

**Equipment:**

3 ml     Amber vials (sterile)

**Reagents:**

5 mg     5-Carboxyfluorescein diacetate, acetoxymethyl ester  
          (5-CFDA, AM; Molecular Probes #C-1354)  
5 ml     Acetone (ACS reagent grade)

**Method:**

**FDA Stock (5 mg/ml)**

1) Add 1ml of acetone to 5 mg FDA to make a stock solution (@ 5 mg/ml).

**FDA Working Solution (1 mg/ml)**

2) Add 200 $\mu$ l FDA Stock (@ 5mg/ml) to 800 $\mu$ l acetone in amber vials.  
3) Store frozen (-20°C)

**To Use:**

1) Add 2 $\mu$ l FDA Working Solution (@ 1 mg/ml) to 1ml of cells at  $1 \times 10^6$  cells/ml  
2) Incubate 15 minutes at 37°C  
3) Read on cytometer. Live cells will be green.