

Standard Operating Procedure

CFSE Labeling

Hazards:

Caution - substance not yet fully tested. To our knowledge, the hazards of this material have not been thoroughly investigated. We recommend handling all chemicals with caution. (Taken from product MSDS)

Protection:

Wear gloves

Waste:

Drain

Spill Clean-Up:

Procedure:

- Product Name: 5-(and-6)-carboxyfluorescein diacetate, succinimidyl ester (5(6)-CFDA, SE; CFSE) *mixed isomers*
 - Catalog Number: C1157
 - Sold by Molecular Probes
1. Dilute 5mM CFSE 1:3 in HBSS (ex: 10 μ l CFSE into 20 μ l HBSS)
 2. Resuspend cells to 10x10⁶ cells per ml (minimum of 1ml if fewer cells). Warm in H₂O bath at 37°C for 10 min.
 3. Add 1 μ l of diluted CFSE per 1ml of resuspended cells. Mix immediately by flicking or inversion.
 4. Incubate in H₂O bath at 37°C for 10 min.
 5. Add ice cold RP10 to stop the reaction (min 10ml).
 6. Wash with sterile PBS 1x.
 7. Resuspend in sterile PBS inject.