

Product Datasheet

Cell-mediated Cytotoxicity Assay: Basic Cytotoxicity Test (orb1409926)

Catalog Number	orb1409926
Category	Tools
Description	A dual-color assay for determining cell toxicity by flow cytometry. A green fluorescent cellular stain, CFSE, labels target cells and the red live/dead viability dye 7-AAD to identify the dead cells present in the cytotoxicity assay samples.
Application notes	1. Prepare samples and controls, 2. Dilute Assay Buffer 1:10 with diH2O and filter sterilize., 3. Reconstitute CFSE with 200 μ L DMSO and dilute 1:250 with 1X Assay Buffer., 4. Add 200 μ L CFSE to target cells to stain them green and incubate 15 minutes at room temperature., 5. Wash target cells and adjust cell concentration., 6. Add effector cells to target cells., 7. Reconstitute 7-AAD with 260 μ L DMSO and dilute 1:10 with 1X Assay Buffer., 8. Add 20 μ L 7-AAD to label necrotic cells red and incubate 10 minutes on ice., 9. Run controls and analyze with a flow cytometer. Identify target cells by analyzing FL-1 (green) vs. FL-3 (red). CFSE excites at 492 nm and emits at 520-540 nm; 7-AAD excites at 546 nm and emits at 647 nm.
Sample Types	Cell culture
Storage	CFSE at $\leq -20^{\circ}\text{C}$, other components at $2-8^{\circ}\text{C}$
Note	For research use only
Expiration Date	12 months from date of receipt.

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