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Product Datasheet

Cell-mediated Cytotoxicity Assay: Basic Cytotoxicity Test BYT-ORB1409925

Article Name	Cell-mediated Cytotoxicity Assay: Basic Cytotoxicity Test
Biozol Catalog Number	BYT-ORB1409925
Supplier Catalog Number	orb1409925
Alternative Catalog Number	BYT-ORB1409925-250
Manufacturer	Biorbyt
Category	Sonstiges
Product 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....
Samples	Cell culture

Application Notes

Application Notes: 1. Prepare samples and controls, 2. Dilute Assay Buffer 1:10 with diH₂O and filter sterilize., 3. Reconstitute CFSE with 200 μL DMSO and dilute 1:250 with 1X Assay Buffer., 4. Add 200 μL 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 and incubate 4-6 hours., 7. Reconstitute SR-FLICA with 100 μL DMSO and dilute 1:12.6., 8. Add 10 μL SR-FLICA to label apoptotic cells orange-red and incubate 45 minutes at 37C., 9. Reconstitute 7-AAD with 260 μL DMSO and dilute 1:10 with 1X Assay Buffer., 10. Add 20 μL 7-AAD to label necrotic cells red and incubate 10 minutes on ice., 11. Run controls and analyze with a flow cytometer. Identify target cells by analyzing FL-1 (green) vs. FL-3 (red). Create a plot of FL-2 (orange-red) 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, SR-FLICA excites at 565 nm and emits at 600 nm