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Product Datasheet

Advanced Calcein AM Cell Viability Kit BYT-ORB1409898

Article Name	Advanced Calcein AM Cell Viability Kit
Biozol Catalog Number	BYT-ORB1409898
Supplier Catalog Number	orb1409898
Alternative Catalog Number	BYT-ORB1409898-25
Manufacturer	Biorbyt
Category	Sonstiges
Product Description	This kit combines Calcein AM with 7-AAD to allow for easy and simultaneous labeling of live, membrane compromised, and dead cells within a single sample. Samples can be analyzed using a flow cytometer or fluorescent microscope....
Samples	Cell culture
Application Notes	<p>Application Notes: 1. Prepare samples and controls in 0.5 mL 1X Assay Buffer or buffer of choice at a cell density between 3-5 x 10⁵ cells/mL. If samples were cultured in serum-containing medium, wash the samples prior to adding the DAF-2DA dye., 2. Prepare DAF-2DA staining solution by adding 56 µL DAF-2DA to 444 µL water. This is sufficient volume to stain 50 x 0.5 mL or 100 x 0.25 mL samples., 3. Pre-load samples with DAF-2DA staining solution by adding 10 µL into 490 µL cultured cells, or 5 µL into 245 µL cultured cells., 4. Incubate 1 hour at 37C., 5. Wash samples at least once with 1X Assay Buffer to remove excess dye, and then resuspend in 1X Assay Buffer., 6. Treat cells with test compounds for desired period of time to induce NOS production. Keep cells protected from light., 7. Analyze with a flow cytometer, fluorescence plate reader, or fluorescence microscope. DAF-2DA excites at 488 nm and emits at 515 nm</p>