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Product Datasheet

Basic Calcein AM Cell Viability Kit
BYT-ORB1409899

Article Name	Basic Calcein AM Cell Viability Kit
Biozol Catalog Number	BYT-ORB1409899
Supplier Catalog Number	orb1409899
Alternative Catalog Number	BYT-ORB1409899-25
Manufacturer	Biorbyt
Category	Sonstiges
Product Description	This kit allows researchers to easily and simultaneously differentiate between live and dead cells within a single sample. Samples can be analyzed using a flow cytometer, fluorescence plate reader, or fluorescent microscope....
Samples	Cell culture
Application Notes	<p>Application Notes: 1. Prepare samples and controls., 2. Dilute 10X Cellular Assay Buffer 1:10 with diH2O., 3. Reconstitute Calcein AM with 50 µL DMSO., 4. Dilute 2 mM Calcein AM stock solution 1:5 by adding 200 µL diH2O or PBS, forming a 400 µM stock solution., 5. Stain with Calcein AM at a concentration between 1-10 µM. The ideal staining concentration can vary based on cell line, application, etc., and should be determined by the end user. The recommended sample size is 0.4 mL., 6. Add Calcein AM to each sample and mix gently. For example, to stain a 0.4 mL sized sample with 10 µM Calcein AM, add 10 µL of the 400 µM stock solution., 7. Incubate approximately 1 hour., 8. Reconstitute 7-AAD with 260 µL DMSO, forming a 200X stock concentrate., 9. Add 7-AAD to each sample at 1:200 (e.g., add 2 µL to 400 µL of sample)., 10. Analyze with a flow cytometer or fluorescence microscope. Calcein AM excites at 494 nm and emits at 520 nm. 7-AAD excites at 546 nm and emits at 647 nm</p>