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Product Datasheet

Intracellular GSH Assay Kit BYT-ORB1409914

Article Name	Intracellular GSH Assay Kit
Biozol Catalog Number	BYT-ORB1409914
Supplier Catalog Number	orb1409914
Alternative Catalog Number	BYT-ORB1409914-100
Manufacturer	Biorbyt
Category	Kits/Assays
Product Description	This whole cell glutathione assay employs a proprietary thiol-sensitive dye, to monitor relative changes in the intracellular concentration of reduced glutathione (GSH). Analyze the fluorescent signal by flow cytometry....
Samples	Cell culture
Application Notes	Application Notes: 1. Prepare samples and controls., 2. Dilute 10X Binding Buffer 1:10 WITH DiH2O., 3. Wash cells twice in ice-cold culture medium or PBS and resuspend in ice-cold 1X Binding Buffer at 5×10^5 - 1×10^6 cells/mL., 4. Reconstitute Bovine Annexin V-Fluorescein in 1 mL Annexin Reconstitution Buffer, 1X., 5. Dilute reconstituted Annexin V-Fluorescein 1:5 in PBS., 6. Add diluted Annexin V-Fluorescein to each sample at $\sim 1:10$., 7. Dilute PI 1:10 in PBS., 8. Add diluted PI to each sample at $\sim 1:20$., 9. Incubate 15 minutes on ice and protected from light., 10. Add 400 μ L 1X Binding Buffer to each sample., 11. Analyze with a flow cytometer. Annexin V-Fluorescein excites at 494 nm and emits at 521 nm. PI excites at 536 nm and emits at 617 nm