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Product Datasheet

Autophagy Assay - Red Fluorescent BYT-ORB1409896

Article Name	Autophagy Assay - Red Fluorescent
Biozol Catalog Number	BYT-ORB1409896
Supplier Catalog Number	orb1409896
Alternative Catalog Number	BYT-ORB1409896-50
Manufacturer	Biorbyt
Category	Sonstiges
Product Description	For the detection and monitoring the in vitro development of autophagy in living cells. The autophagy probe fluoresces red when inserted in the lipid membranes of autophagosomes and autolysosomes. Results can be read using a flow cytometer....
Samples	Cell culture
Application Notes	<p>Application Notes: 1. Prepare samples and controls in fresh cell culture medium (alternative buffers such as PBS may be used)., 2. Reconstitute Autophagy Probe, Red with 100 μL DMSO., 3. Dilute Autophagy Probe, Red 1:5 by adding 400 μL diH₂O, PBS, or fresh cell culture medium., 4. Add diluted Autophagy Probe, Red to each sample at 1:50 spike (e.g. spike at 1:50 by adding 10 μL to 490 μL sample). 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 0.5 mL., 5. Incubate approximately 1 hour., 6. Dilute 10X Cellular Assay Buffer 1:10 with diH₂O., 7. Remove media and wash cells 3 times: add 1X Cellular Assay Buffer or fresh cell culture medium and spin cells., 8. Resuspend cell pellet in 1X Cellular Assay Buffer (typically 0.5 mL per sample)., 9. Analyze with a flow cytometer (using a green/yellow laser and appropriate filter). Autophagy Probe, Red excites at 590 nm and emits at 620 nm</p>