



## Biosensis P2 Polar Lipid and Endoplasmic Reticulum Tracing Reagent

<b>Catalogue No.:</b>	TR-603-P2
<b>Description:</b>	TR-603-P2 is a cell-permeant stain for intracellular lipid droplets and the endoplasmic reticulum. This tracing reagent can be used on live and fixed cells and is compatible with other dyes. TR-603-P2 has a large Stokes Shift, shows excellent resistance to photobleaching and demonstrates low cytotoxicity. TR-603-P2 is manufactured by ReZolve Scientific.
<b>Batch No.:</b>	Please refer to the product label.
<b>Unit size:</b>	1.0 mg
<b>Applications:</b>	Fluorescent imaging of lipid rich compartments. Sample types: live and fixed (4% paraformaldehyde) cells. Serum-free culture medium is recommended for staining, as lipids contained in serum can reduce signal. Please refer to the product manual. Epifluorescence microscopy: YES Confocal microscopy: YES Multiphoton imaging: YES Infrared spectroscopy: NO Raman spectroscopy: NO Ex/Em: 405 nm / 600 nm Typical working dilution is 1:500 - 1:1,000 (10-20 $\mu$ M) in appropriate buffer or cell culture medium. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	Cell penetration and localisation of TR-603-P2 has been confirmed in cardiomyocytes, H9c2 cell line and LNCaP prostate cells.
<b>Reconstitution:</b>	Spin vial briefly before opening. Reconstitute TR-603-P2 with 149 $\mu$ L of DMSO to obtain a 10 mM stock solution, mix thoroughly before use. Avoid PBS or cell culture medium for reconstitution.
<b>Storage:</b>	Product is shipped at room temperature. Store lyophilised product at room temperature, properly sealed and protected from light. Stock solution can be stored at room temperature, properly sealed and protected from light. Working solutions should be used immediately and not stored for later use.
<b>Expiry Date:</b>	Lyophilised product is stable for 6 months at room temperature if protected from light. After reconstitution in DMSO, liquid 10 mM stock solution is stable for 6 months at room temperature.
<b>Reagent Kit protocol:</b>	Please refer to our online product listing for current protocol/MSDS versions.
<b>MSDS:</b>	Please refer to our online product listing for current protocol/MSDS versions.

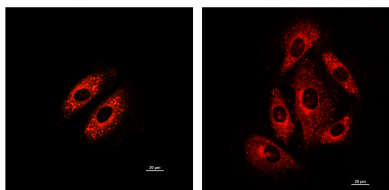
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FOR RESEARCH USE ONLY



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Staining in cultured cells with TR-603-P2 tracing reagent (Left: cardiomyocytes; Right: H9c2 cells).



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