

Product Data Sheet

Date of Issue: 14 Oct 2021

1. Product Information

- Product Name : MitoFlamma Deep Red
- Catalog Number : BM_RMS1102
- Packing Unit : 1 vial containing 100X lyophilized solid
- Appearance : Blue Solid
- Storage Conditions : Protect from Light at -20 °C

2. Additional Information

- Fluorophore Label : MitoFlamma Deep Red
- Molecular Weight : 558 g/mol
- Excitation_{Max} : 630 ± 3 nm
- Emission_{Max} : 660 ± 4 nm
- Extinction Coefficient : ≥ 38,000 /cm·M

3. Description

MitoFlamma Deep Red is a mitochondria-selective red fluorescent dye that allows to detect mitochondrial morphology in living cells. This unique dye appears to preferentially accumulate in mitochondria. MitoFlamma Deep Red enables researchers to observe mitochondrial activity, localization and abundance as well as monitoring the effect of drugs or other external stimuli on the mitochondrial function. The maxima of Ex/Em values are at 630/660 nm. We offer MitoFlamma Deep Red as an effective mitochondria specific fluorescent probe for various experiments such as immunocytochemistry, in situ hybridization, microplate-based analysis, etc.