

Product Data Sheet

Date of Issue: 01 Aug 2022

1. Product Information

- Product Name : MitoFlamma® Green
- Catalog Number : RMS1101
- Packing Unit : 1 vial containing 100X lyophilize solid
- Appearance : Orange solid
- Storage Conditions : Protect from Light at -20 °C

2. Additional Information

- Fluorophore Label : MitoFlamma® Green
- Molecular Weight : 750.5 g/mol
- Excitation_{Max} : 498 ± 3 nm
- Emission_{Max} : 510 ± 4 nm
- Extinction Coefficient : ≥ 83,000 /cm·M

3. Description

MitoFlamma® Green is a mitochondria-selective green fluorescent dye that allows to detect mitochondrial morphology in living cells. This unique dye appears to preferentially accumulate in mitochondria. MitoFlamma® green 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 498/516 nm. We offer MitoFlamma® green as an effective mitochondria specific fluorescent probe for various experiments such as immunocytochemistry, in situ hybridization, microplate-based analysis, etc.