



Europa Bioproducts Ltd

15-17 North Street • Wicken  
Ely • Cambridge • CB7 5XW  
Tel: 0044 (0)1353-721118  
Fax: 0044 (0)1353-624589

## Cellstain-MitoRed

Item# Unit Size  
R237-10 50 ug x 8 vials

**Chemical Name:** 9-[2-(4'-Methylcoumarin-7'-oxycarbonyl)phenyl]-3,6- bis (diethylamino) xanthylium chloride

**Appearance:** Red purple to purplish-brown solid

**MW:** 637.17, C<sub>38</sub>H<sub>37</sub>ClN<sub>2</sub>O<sub>5</sub>

**Storage Condition:** 0-5°C, protect from light

**Shipping Condition:** ambient temperature

### Product Description

MitoRed is a cell-membrane-permeable, rhodamine-based dye. It localizes in mitochondria and emits red fluorescence (Fig. 1). The interaction of MitoRed with mitochondria depends on the membrane potential of the mitochondria. Mitochondria can be stained with 20 to 200 nM MitoRed. The excitation and emission wavelengths of MitoRed are 560 nm and 580 nm, respectively.

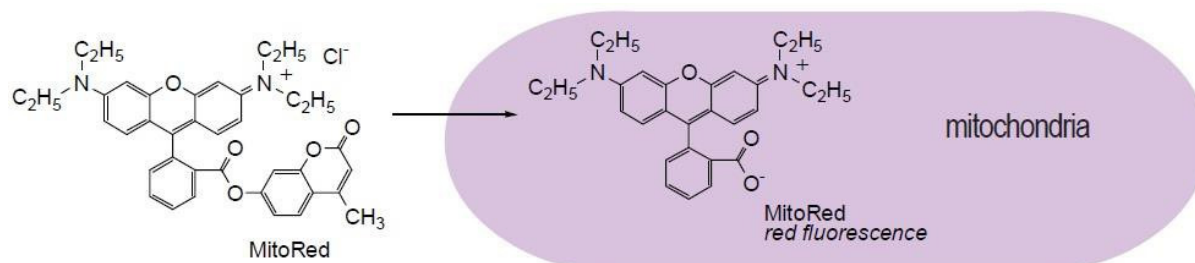


Fig. 1 Cell staining mechanism



CERTIFICATE NO. 82423

E-mail: [info@europa-bioproducts.com](mailto:info@europa-bioproducts.com)

Web site: <http://www.europa-bioproducts.com>

Registered Office: 15-17 North Street, Wicken, Ely, Cambridgeshire CB7 5XW

Registered Number: 2703381