

Datasheet: ICT946 BATCH NUMBER 165043

| Description: | MITOCHONDRIAL MEMBRANE POTENTIAL KIT | | | |
|---------------|---|--|--|--|
| Name: | MITOCHONDRIAL MEMBRANE POTENTIAL MitoPT™ TMRE KIT | | | |
| Format: | TMRE Mitochondrial Stain (Red Fluorescence) | | | |
| Product Type: | Kits | | | |
| Quantity: | 500 TESTS | | | |

Product Details

| Applications | This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit <u>www.bio-rad-antibodies.com/protocols</u> . | | | | | | |
|---------------------|--|-----------|-----------|---------------------------|----------------------|--|--|
| | | Yes | No | Not Determined | Suggested Dilution | | |
| | Flow Cytometry | - | | | | | |
| | Immunofluorescence | - | | | | | |
| | Where this product has not been tested for use in a particular technique this does not | | | | | | |
| | necessarily exclude its us a guide only. It is recomn system using appropriate | nended th | at the us | er titrates the product f | | | |
| Product Information | The MitoPT TMRE kit us between non-apoptotic a | | | | - | | |
| Test Principle | An early indication of apoptosis involves a collapse in the electrochemical gradient across the mitochondrial membrane. Loss of mitochondrial membrane potential can be detected by a unique fluorescent cationic dye known as TMRE (tetramethylrhodamine ethyl ester), that has been incorporated into the MitoPT TMRE kit. The MitoPT TMRE reagent easily penetrates cells and enters the mitochondria. It aggregates in the mitochondria of non-apoptotic cells and fluoresces bright orange/red, whilst in apoptotic cells it diffuses throughout the cell. Once dispersed, the reagent assumes a monomeric form and exhibits a reduced orange/red fluorescence level. This allows an easy distinction between apoptotic and non-apoptotic fluorescence plate reader using black microtitre plates. | | | | | | |
| Reagents In The Kit | MitoPT TMRE Reagent - 10x Assay Buffer, 125ml 600uL 50mM carbonyl cy | (x2) | | | concentrate in DMSO. | | |

| Instructio | ons For Use | Instructions for use can be found at <u>www.bio-rad-antibodies.com/uploads</u> /IFU/IFUICT946.pdf | | | | | | |
|--|---|--|---|--------------------|--|--|--|--|
| Storage | | until the expiry date sh | Buffer can be stored at 2-8°C ent from light at all times. d at -20°C, protected from | | | | | |
| Guarante | 90 | Guaranteed until date | | | | | | |
| Acknowl | edgements | MitoPT is a trademark of Immunochemistry Technologies, LLC. | | | | | | |
| Health And SafetyMaterial Safety Datasheet documentation #20294 #10474 #Informationhttps://www.bio-rad-antibodies.com/SDS/ICT946MitoPT™ TMRE Reagent (20294)10X Assay Buffer (10474)CCCP Reagent (10479) | | | | | 10479 available at: | | | |
| Regulato | ory | For research purposes | s only. | | | | | |
| North & South America | Tel: +1 800 265 7 Fax: +1 919 878 3 Email: antibody_s | | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio | Europe -rad.com | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com | | | |
| To find a b | atch/lot specifi | ic datasheet for this produ | ict, please use our online s 'M404870:220906' | search tool at: b | io-rad-antibodies.com/datasheets | | | |
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