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| MESGEN.pngJC-1 Mitochondrial Membrane Potential Dye# MG9621 |

**Product Name:** JC-1 Mitochondrial Membrane Potential Dye

**Cat.No.** MG9621 **Lot No.** 20140111MGJ

**Formulation :** Solid **CAS :** 3520-43-2

**MW :** 652.23 **Purity :** ≥95%

**Solubility:** Soluble in DMSO **Storage :** Store at -20°C

**Application**

A dual-emission potential-sensitive probe that can be used to measure mitochondrial membrane potential. JC-1 is a green-fluorescent (λex=515 nm) monomer at low membrane potential. At higher potentials, JC-1 forms red-fluorescent (λem=585 nm ) "J-aggregates," which exhibit broad excitation and very narrow emission spectra. The ratio of red to green fluorescence of JC-1 is dependent only on membrane potential, and not influenced by mitochondrial size, shape, or density.

**Recommended work concentration**

1-20ug/mL

**Product including**

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| **Cat.No.** | **Name** | **Package** | **List price** |
| MG7989-500UG | JC-1 (Soild) | 500UG | 760 |
| DMSO | 10ML | 0 |
| MG7989-1MG | JC-1 (Soild) | 1MG | 1400 |
| DMSO | 20ML | 0 |

***For Research Use Only. Not Intended for Diagnostic or Therapeutic Use.***