

JC-10 Mitochondrial Membrane Potential Assay kit

JC-10 Assay provides the most robust assay method for monitoring mitochondria membrane potential changes in cells using the cationic, lipophilic JC-10 dye. In normal cells, JC-10 concentrates in the mitochondrial matrix where it forms red fluorescent aggregates. However, in apoptotic and necrotic cells, JC-10 diffuses out of mitochondria. It changes to monomeric form and stains cells in green fluorescence.

Although JC-1 is widely used, but compare to JC-1, JC-10 has much better water solubility. Also compare to JC-1, JC-10 does not precipitate in aqueous buffer. JC-10 is capable of selectively entering mitochondria, and reversibly changes its color from green to orange as membrane potentials increase. JC-10 is a superior alternative to JC-1 when high dye concentration is desired.

Catalog No.	520114
Size	100 Assays
Product Category	Cell Detection
Kit Components	1. JC-10 in DMSO 2. Staining Buffer 3. CCCP (100mM) 4. Ultrapure Water
Storage/Stability	2 ~ 8°C/1 year
Shipping	Gel Packs