JC-10 Mitochondrial Membrane Potential probe

JC-10 is an ideal fluorescent probe widely used to detect mitochondrial membrane potentia. Can detect cell, tissue or purified mitochondrial membrane potential. When the mitochondrial membrane potential is high, JC-10 aggregates in the matrix of the mitochondria to form a polymer, which can produce red fluorescence; when the mitochondrial membrane potential is low, JC-10 cannot accumulate in the matrix of the mitochondria. At this time, JC- 10 is a monomer, which can produce green fluorescence. In this way, it is very convenient to detect the change of mitochondrial membrane potential through the change of fluorescence color. The relative ratio of red and green fluorescence is commonly used to measure the ratio of mitochondrial depolarization.

Mol. Weight: ~600

Excitation: 510nm

Emission: 525nm

Catalog No.	520015
Size	1mg
Product Category	Cell Detection
Storage/Stability	-20°C/1 year
Shipping	Gel Packs