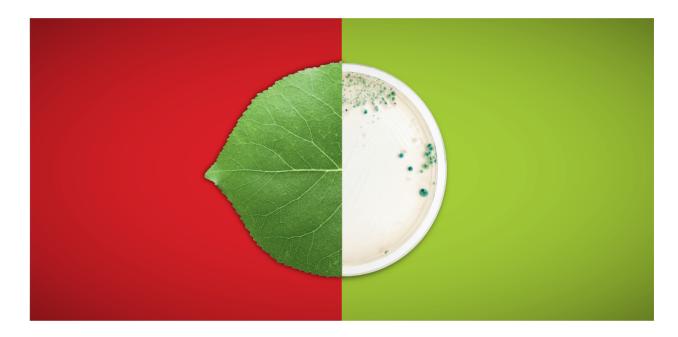




LIFE SCIENCE

Insulation of heart mitochondrion



THE APPLICATION SCOPE / PURPOSE

Mitochondrion is a cell organelle that contains its own genetic material. They are responsible for the regeneration of the molecule adenosine triphosphate (ATP), which is the energy carrier of the cell and regulates important energy-providing processes. Changes in the mitrochondria can cause oxidative stress. Researchers still do not agree on the correlation between oxidative stress and the ageing process in humans. However, it shows the importance of the analysis of mitrochondria. Kinematica has experience in the field of mitochondrial extraction in heart tissue and offers various solutions for efficient sample preparation.

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