

Process:  
Subprocess:  
Product Family:

**HOMOGENIZATION**  
**ANALYTIC**  
**POLYTRON®**



## 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 mitochondria 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 mitochondria. Kinematica has experience in the field of mitochondrial extraction in heart tissue and offers various solutions for efficient sample preparation.

Get full access to the Application Note by clicking this link:

**GET FULL VERSION**

#### Kinematica AG

Werkstrasse 7 c-d / CH-6102 Malters / Switzerland  
Phone +41 41 259 65 65 / Fax +41 41 259 65 75  
info@kinematica.ch / kinematica.ch

🇨🇭 Swiss made dispersing solutions for you. Since 1962.