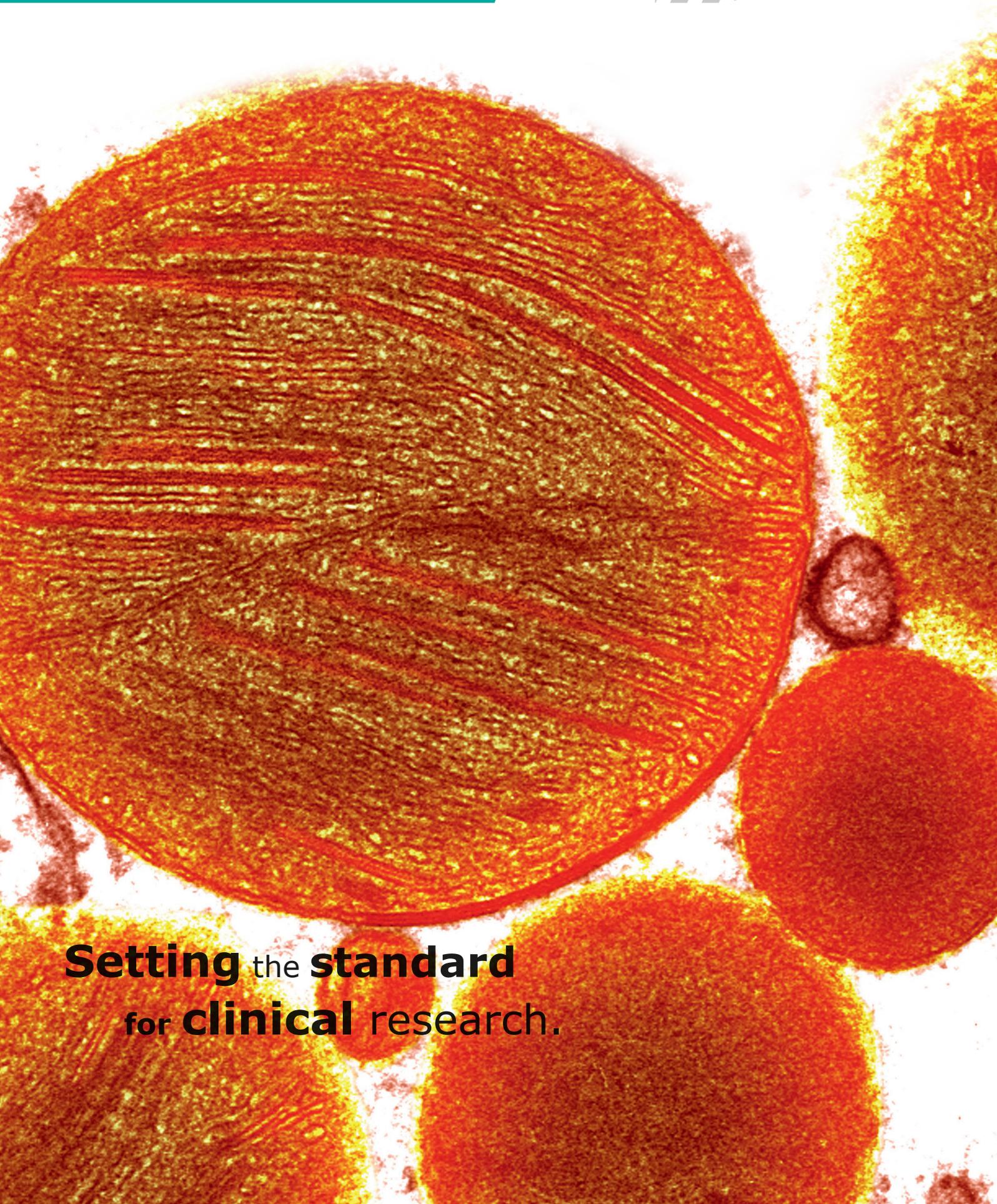


**CELL PROLIFERATION
& CYTOTOXICITY ASSAY**

BIOMEDICA

Setting the **standard**
for **clinical** research.



EZ4U CELL PROLIFERATION AND CYTOTOXICITY ASSAY BI-5000

Proliferation assays are widely used in cell biology for the study of growth factors, cytokines, nutrients and for the screening of cytotoxic or chemo-therapeutic agents. The EZ4U cell proliferation and cytotoxicity assay is based on the capability of living cells to reduce slightly coloured or uncoloured tetrazolium salts in the mitochondria into intensely coloured formazan derivatives. This water soluble formazan is secreted into the culture medium and can be measured with a standard colorimetric reader.

The EZ4U system is well suited for a variety of biological tests, where cell viability is of importance. It offers advantages over conventional dye or 3H incorporation assays. Due to its soluble end products it is easier and faster to perform than other non-radioactive cell viability assays. Furthermore, because the assay procedure is identical to the Thymidine incorporation procedure, no changes in test protocols are necessary. An important benefit is the possibility of an ongoing cultivation after cell number determination and easy to adapt incubation times due to the non-toxic substrate.

- easy handling
- convenient
- fast
- non-toxic
- non-radioactive
- reliable
- sensitive

ASSAY CHARACTERISTICS

Method	Reduction of tetrazolium salt to coloured formazan
Sample type	cell culture medium
Sample size	200 µl / test, 10x96 tests
Detection limit	depending on cell lines
Incubation time	2 - 5 h

LITERATURE

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