

General myo-Inositol Microplate Assay Kit

myo-Inositol Microplate Assay Kit

CATALOG # AAA219751	REACTIVITY General	APPLICATIONS Functional Assay
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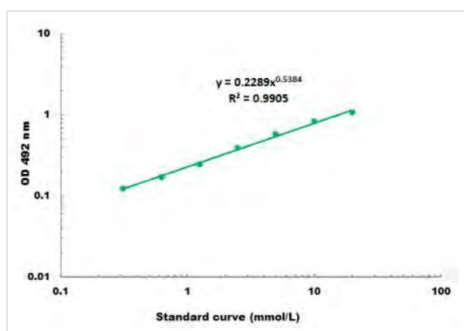
PRODUCT SYNONYMS

myo-Inositol Microplate; myo-Inositol Microplate Assay Kit; myo-Inositol Microplate assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Urine, Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media, Other biological fluids Samples
Detection Range	0.2 mmol/L - 20 mmol/L
Applicable Applications for myo-Inositol Microplate assay kit	FA (Functional Assay)
CAS Number	6917-35-7
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for myo-Inositol Microplate assay kit	Principle of the Assay: myo-Inositol is a cyclitol present in most eukaryotic cells and exists as the predominant isomer of 1,2,3,4,5,6-cyclohexanehexol. As a key component of eukaryotic cell signalling, myo-inositol functions as crucial second messengers in the form of inositol (poly)phosphates and phosphatidylinositides. The abundance of myo-inositol in nature makes it an essential compound for plants and animals, and many microorganisms are equipped with catabolic pathways to enable the utilisation of myo-inositol as a sole carbon source. myo-Inositol Microplate Assay Kit provides a convenient tool for sensitive detection of myo-Inositol in a variety of samples. myo-Inositol is oxidised by NAD⁺ in the presence of myo-Inositol dehydrogenase. myo-Inositol is measured by the increase in absorbance at 492 nm. Intended Uses: Detection and Quantification of myo-Inositol Content in Urine, Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media, Other biological fluids Samples
Product Categories/Family for myo-Inositol Microplate assay kit	Small molecule detection kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/general-assay-kits/myo-inositol-microplate/219751>