

General Pectin Assay Kit

Pectin Microplate Assay Kit

CATALOG # AAA27899	REACTIVITY General	APPLICATIONS Functional Assay
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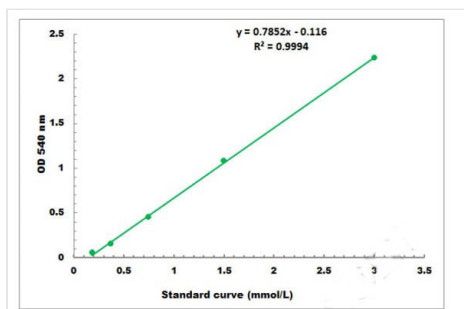
PRODUCT SYNONYMS

Pectin; Pectin Microplate Assay Kit; Pectin assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Tissue extracts and Other biological fluids Samples
Detection Range	0.3 mmol/L - 3 mmol/L
Applicable Applications for Pectin assay kit	FA (Functional Assay)
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Pectin assay kit

Background: Pectin, any of a group of water-soluble carbohydrate substances that are found in the cell walls and intercellular tissues of certain plants. In the fruits of plants, pectin helps keep the walls of adjacent cells joined together. Immature fruits contain the precursor substance protopectin, which is converted to pectin and becomes more water-soluble as ripening proceeds. At this stage the pectin helps ripening fruits to remain firm and retain their shape. As a fruit becomes overripe, the pectin in it is broken down to simple sugars that are completely water-soluble. As a result, the overripe fruit becomes soft and begins to lose its shape. Pectic substances consist of an associated group of polysaccharides that are extractable with hot water or with aqueous solutions of dilute acids. The chief sources of commercial pectin are the peels of citrus fruits, and to a lesser extent apple pomace (residue from cider presses). Very small amounts of pectin suffice in the presence of fruit acids and sugar to form a jelly. Pectin also has several health benefits in humans. Included among these are its ability to reduce low-density lipoprotein (LDL) levels, thereby lowering cholesterol levels, and its ability to slow the passage of food through the intestine, relieving diarrhea. Pectins can also activate cell death pathways in cancer cells, indicating that pectins may play an important role in preventing certain types of cancer. Pectin Microplate Assay Kit provides a very sensitive and convenient means to measure pectin content in a variety of samples. In the assay, pectinase reacts with pectin, resulting in the formation of galacturonic acid, which react with dye reagent and determined at 540nm, is directly proportional to the pectin content in the sample.

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://stage.aaabiotech.com/general-assay-kits/pectin/27899>