

Soluble Pectin (WSP) Assay Kit | WSP assay kit

Micro Soluble Pectin (WSP)

CATALOG #
AAA332683

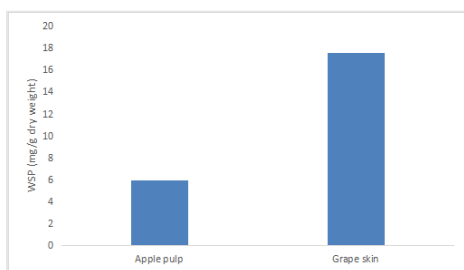
PRODUCT SYNONYMS

Soluble Pectin (WSP); Micro Soluble Pectin (WSP); WSP assay kit

PRODUCT SPECIFICATIONS

Samples	Plant tissues
Kit Components	Reagent I Reagent II Reagent III Reagent IV Standard
Features & Benefits	The verified samples are complete in type and easy to operate.
Usage Notes	If not assayed immediately, samples can be stored at -80 degree C for one month. It is recommended to perform several dilutions of your sample to ensure the readings are within the standard value range. Fresh samples are necessary for good results. If don't perform the assay at the same time, it's better to complete the Sample Preparation step before storing the samples.
Preparation and Storage	Storage at 4 degree C and Keep from light immediately upon receipt. Kit has a storage time of 6 months from receipt. Refer to list of materials supplied for storage conditions of individual components. Shipping: Gel pack with blue ice.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for WSP assay kit

Pectin is a major component of the primary cell wall and middle lamella, primarily consisting of protopectin, pectic acid methylester, and pectic acid. Pectin contains galacturonic acid, galactose, arabinose, glucuronic acid, and others, making it one of the most abundant polysaccharides in the cell walls of many higher plants. Its unique physical and chemical properties affect the texture and quality of plant-derived foods. Pectins are cross-linked by Ca^{2+} bridges and other ionic bonds, hydrogen bonds, glycosidic bonds, ester bonds, and phenolic ring couplings. Various forms of pectin can be extracted through different extraction methods, such as water-soluble pectin (WSP), ionically-bound pectin (ISP), and covalently-bound pectin (CSP). Micro Soluble Pectin (WSP) Content Assay Kit provides a simple, convenient, and rapid method for WSP content determination suitable for plant tissue samples. The principle involves using an acidic solution to extract soluble pectin (WSP), followed by quantification using the carbazole colorimetric method. Pectin is hydrolyzed into galacturonic acid, which reacts with carbazole reagent in sulfuric acid solution to form a compound with maximum absorbance at 530 nm.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/assay-kits/soluble-pectin-wsp/332683>