

Cellulose (CLL) Assay Kit | CLL assay kit

Micro Cellulose (CLL) Concent Assay Kit

CATALOG #
AAA332685

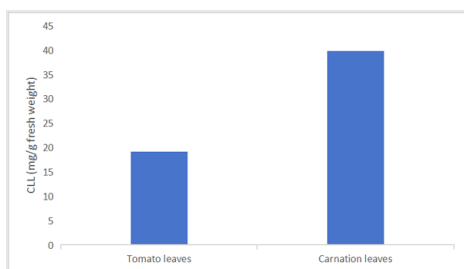
PRODUCT SYNONYMS

Cellulose (CLL); Micro Cellulose (CLL) Concent Assay Kit; CLL; CLL assay kit

PRODUCT SPECIFICATIONS

Samples	Plant tissues
Kit Components	Reagent I Reagent II Reagent III 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 CLL assay kit	Cellulose (CLL) is a large polysaccharide molecule composed of glucose units, typically associated with hemicelluloses, pectins, and lignin, serving as the primary structural component of plant cell walls. It is a significant dietary fiber and the most abundant and widely distributed polysaccharide in nature. Micro Cellulose (CLL) Concent Assay Kit offers a simple, convenient, and rapid approach for assessing CLL activity, which is suitable for plant tissue samples. The principle involves cellulose, a polymer of beta-glucose residues, decomposing into beta-glucose under acidic conditions upon heating. Under strong acid conditions, beta-glucose can dehydrate to form beta-furfural compounds. These beta-furfural compounds then undergo dehydration condensation with anthrone to generate furfural derivatives. The depth of the resulting color can be indirectly quantified to determine the cellulose content.
Product Categories/Family for CLL assay kit	Cell analysis ; Cell metabolism 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://stage.aaabiotech.com/assay-kits/cellulose-cll/332685>