

Proline (PRO) Assay Kit | PRO assay kit

Proline (PRO) Colorimetric Assay Kit

CATALOG #
AAA332470

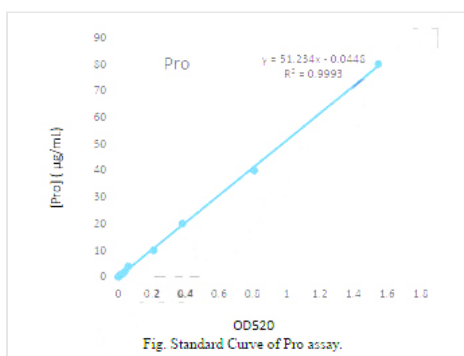
PRODUCT SYNONYMS

Proline (PRO); Proline (PRO) Colorimetric Assay Kit; PRO assay kit

PRODUCT SPECIFICATIONS

Detection Range	80-0.5 ug/mL
Sensitivity	0.5 ug/mL
Preparation and Storage	Store at 4 degree C and protected from light upon receipt. Kit has a storage time of est. 12 months from receipt. Shipping: Gel pack with blue ice.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRO assay kit

Principle of the Assay: The kit can detect plant tissues, animal tissues, cells, bacteria, serum (plasma) and other samples. Pro is extracted with sulfosalicylic acid (SA). After heat treatment, Pro reacts with acidic ninhydrin solution to produce red; after extraction with toluene, the absorbance is measured at 520 nm.

Background/Introduction: Pro is widely present in animals, plants, microorganisms and cultured cells. Under adversity conditions, the Pro content in plants increased significantly. The increased amount of Pro reflects stress resistance to a certain extent, and varieties with strong drought resistance tend to accumulate more proline. Therefore, the increased amount of proline can be used as one of the physiological indicators of stress resistance breeding.

Product Categories/Family for PRO assay kit

Cell Metabolism; Biochemical Assay 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.