

Plant Vitamin D ELISA Kit | VD elisa kit

Plant Vitamin D (VD) ELISA Kit

CATALOG #
AAA55478

REACTIVITY
Plant

PRODUCT SYNONYMS

Vitamin D; Plant Vitamin D (VD) ELISA Kit; VD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Plant
Specificity	This assay has high sensitivity and excellent specificity for detection of Plant VD. No significant cross-reactivity or interference between Plant VD and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Plant tissue
Detection Range	3.12 ng/mL - 200 ng/mL
Sensitivity	1.56 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for VD elisa kit

Principle of the Assay: This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to VD. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated VD and incubated. The competitive inhibition reaction is launched between with HRP labeled VD and unlabeled VD with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of VD in the sample. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Plant Vitamin D (VD) concentration in plant tissue.

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/vd-plant-elisa-kits/vitamin-d/55478>