



Soil Alkaline Phosphatase Activity Assay kit

Soil phosphatase is a type of enzyme that catalyzes the mineralization of soil organic phosphorus compounds. Its activity directly affects the decomposition and transformation of soil organic phosphorus and its bioavailability. It is used to evaluate the direction and intensity of soil phosphorus biotransformation. Soil phosphatase is significantly affected by soil carbon, nitrogen content, available phosphorus content and pH. Usually according to its optimum pH range, it is divided into three types of alkaline, neutral and acidic phosphatases.

In an alkaline environment, S-AKP/ALP catalyzes the hydrolysis of phenyl disodium phosphate to produce phenol and disodium hydrogen phosphate. S-AKP/ALP activity can be calculated by measuring the amount of phenol produced.

Catalog No.	251028
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	2-8°C/1 year
Shipping	Gel Packs