



## Soil Acid Phosphatase Activity Assay kit

---

Soil phosphatase is a type of enzyme that catalyzes the mineralization of soil organic phosphorus. Its activity directly affects the decomposition and transformation of soil organic phosphorus and its bioavailability. It is an index for evaluating the direction and intensity of soil phosphorus biotransformation.

Soil phosphatase is significantly affected by soil carbon, nitrogen content, available phosphorus content and pH. According to the optimum pH range, it is usually divided into three types: acidic, neutral and alkaline. In an acidic environment, S-ACP catalyzes the hydrolysis of phenyl disodium phosphate to produce phenol and disodium hydrogen phosphate. S-ACP activity can be calculated by measuring the amount of phenol produced.

|                   |                                        |
|-------------------|----------------------------------------|
| Catalog No.       | 251014                                 |
| 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                              |