

## Soil Acid Phosphatase (S-ACP) Detection Kit | S-ACP detection kit

Micro Soil Acid Phosphatase(S-ACP) Activity Assay Kit

CATALOG #  
**AAA332647**

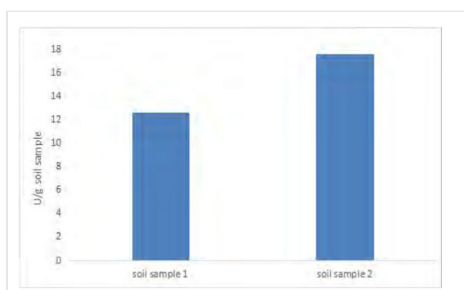
### PRODUCT SYNONYMS

Soil Acid Phosphatase (S-ACP); Micro Soil Acid Phosphatase(S-ACP) Activity Assay Kit; Soil Acid Phosphatase(S-ACP) Activity; S-ACP detection kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                               |
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| Specificity             | The kit provides a simple method for detecting Soil Acid Phosphatase (S-ACP) Activity                                                                                                                                                                                                                                                                         |
| Samples                 | Soil sample                                                                                                                                                                                                                                                                                                                                                   |
| Features & Benefits     | Determination of Soil Acid Phosphatase (S-ACP) Activity                                                                                                                                                                                                                                                                                                       |
| Usage Notes             | Do not mix or substitute reagents or materials from other kit lots or vendors.<br>The sample preparation must be done on ice to prevent the enzyme inactivation, and the enzyme activity should be determined on the same day. avoid repeated freeze-thaw.<br>Ensure all reagents and equipment are at the appropriate temperature before starting the assay. |
| Preparation and Storage | Stored at 4 degree C for 6 months, protected from light                                                                                                                                                                                                                                                                                                       |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

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| Related Product Information for S-ACP detection kit | Principle of the Assay: Soil phosphatase is a kind of enzyme that catalyzes the mineralization of soil organic phosphorus. Its activity directly affects the decomposition and transformation of organic phosphorus in soil and its bioavailability. It is an index to evaluate the direction and intensity of soil phosphorus biotransformation. Soil phosphatase is significantly affected by soil carbon content, nitrogen content, available phosphorus content and pH. According to the optimal pH range, it is generally divided into three types: acidic, neutral and alkaline. Soil acid phosphatase (S-ACP) can catalyze the hydrolysis of disodium phenylphosphate to produce phenol and disodium hydrogen phosphate in an acidic environment. The activity of soil acid phosphatase can be characterized by measuring the amount of phenol produced. |
| Product Categories/Family for S-ACP detection kit   | Cell metabolism detection kit; Cell analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**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.