



## Soil Alkaline Phosphatase (S-AKP/ALP) Activity Assay Kit

### Product Information

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#### Product Overview

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Significance: Soil phosphatases catalyze the mineralization of organic phosphorus, affecting phosphorus bioavailability and serving as indicators of phosphorus turnover. Phosphatase activity is influenced by soil carbon, nitrogen, phosphorus content, and pH.

Principle: Under alkaline conditions, the enzyme hydrolyzes disodium phenyl phosphate to phenol and phosphate. Phenol formation is quantified to calculate enzyme activity.

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#### Size

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50t/48s

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#### Storage

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Store at 2–8 °C. Shelf life: 6 months.

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**Detection method** Spectrophotometer

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