



# Phosphoric acid transacetylase (PTA) activity assay kit

## Product Information

### Product Overview

Phosphoric acid transacetylase (PTA) is one of the key enzymes related to acetic acid metabolism. (PTA) catalyzes the reaction of coenzyme A and acetyl phosphate to generate acetyl coenzyme A and inorganic phosphorus. The increase in inorganic phosphorus is measured by the ammonium molybdate phosphorus determination method to determine the activity of PTA enzyme.

### Size

24 Samples

### Storage

-20°C

### Shipping

Ice pack

### Kit Components

Extraction Liquid: Liquid, 30mL × 1 bottle, store at 4°C.

Reagent One: Liquid, 20mL × 1 bottle, store at 4°C.

Reagent Two: Powder, mg × 1 vial, store at 4°C. Before use, shake to bring the reagent to the bottom, then add 1.1mL of distilled water and mix well to dissolve and reserve.

Reagent Three: Powder, mg × 1 vial, store at -20°C. Before use, shake to bring the reagent to the bottom, then add 0.55mL of distilled water and mix well to dissolve and reserve.

Reagent Four: Liquid, 4mL × 1 bottle, store at 4°C.

Reagent Five: Consists of A and B parts A: Powder, mg × 1 bottle B: Liquid, 3mL × 1 bottle Store at 4°C. Before use, add 2.9mL of B liquid, then add 37.1mL of distilled water, mix well to dissolve and reserve.

Standard: Powder, mg × 1 vial, store at 4°C. This reagent is used if recalibration of the standard curve is necessary.

### Materials Required but Not Supplied

Visible spectrophotometer, 1mL glass cuvettes (optical path 1cm), benchtop centrifuge, adjustable



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Assay Kit

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pipette, mortar, ice, and distilled water.

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