CREATIVE BIOMART®
Assay Kit

Plant Total (TP) Phenol Content Assay Kit

Product Information

Product Overview

Significance: Phenolic compounds in plants exhibit antioxidant activity by scavenging free radicals and possess high nutritional and health value. They are widely applied in cosmetics, food, and pharmaceuticals.
Principle: Under alkaline conditions, phenolics reduce phosphomolybdotungstate to form a blue complex with a characteristic absorbance at 760 nm. The total phenolic content is determined by measuring absorbance at 760 nm against a standard curve.

Size

50t/24s

Storage

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

Detection method Spectrophotometer

Materials Required but Not Supplied

Oven, grinder, 40-mesh sieve, ultrasonic disruptor, 60% ethanol, centrifuge, visible spectrophotometer, 1 mL glass cuvettes.

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