CREATIVE BIOMART®
Assay Kit

DPPH Free Radical Scavenging Capacity Assay Kit

Product Information

Product Overview

DPPH is a stable nitrogen-centered free radical and is widely used as an indicator of antioxidant capacity in food, nutraceutical, and pharmaceutical research. DPPH solution appears purple in ethanol and shows strong absorption at 515 nm. In the presence of antioxidants, DPPH radicals are scavenged, resulting in decreased absorbance at 515 nm. The extent of absorbance reduction is proportional to the radical-scavenging ability of the sample.

Size

50t/24s

Detection method Spectrophotometer

Materials Required but Not Supplied

Visible spectrophotometer, constant-temperature water bath, glass cuvettes, benchtop centrifuge, anhydrous ethanol, mortar or grinder, drying oven, sieve (30–50 mesh), and distilled water.

Kit Components

Extraction Buffer: 50 mL × 1 bottle, store at 4 °C
Reagent I: Anhydrous ethanol, 60 mL × 1 bottle (provided separately), store at room temperature
Reagent II: Powder × 1 vial, store at 4 °C; dissolve with Reagent I before use
Reagent III: Vitamin C standard, 10 mg × 1 vial, store at 4 °C

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