CREATIVE BIOMART®
Assay Kit

Tyrosine Colorimetric Assay Kit

Product Information

Cat.No. Kit-0836

Product Overview

Tyrosine Assay Kit (Colorimetric) is a simple, yet sensitive assay that is able to detect normal and abnormal concentrations of Tyrosine in biological fluids. The assay is based on the enzymatic oxidation of Tyrosine producing a stable signal (OD 492 nm), which is directly proportional to the amount of Tyrosine. Sample preparation is minimal and does not require strenuous or complicated procedures. The assay can detect as low as 50 µM of Tyrosine in a variety of biological samples.

Size

100 tests

Description

Tyrosine (Tyr) is one of the four standard amino acids containing an aromatic group as a side chain. Its hydrophobicity is one of the main characteristics of this uncharged polar amino acid. In addition to being an essential amino acid Tyr is important in number of biological processes such as the synthesis of neurotransmitters, thyroid hormones, melanine, fumarate and acetoacetate. The pathology of abnormal concentrations of Tyr is well known in diseases including phenylketonuria, hypothyroidism, tyrosinemia, albinism, and alkaptonuria.

Applications

Functional Studies more details

Target Species

Reacts with: Human

Storage

Store at -20°C.

Kit Components

Components: 100 tests; Tyr Assay Buffer: 1 x 25ml; Tyr Enzyme Mix: 1 vial; Tyr Standard: 1 vial

Detection method Colorimetric

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