CREATIVE BIOMART®
Assay Kit

Tryptophan Assay Kit

Product Information

Cat

Kit-2513

Cat.No. Kit-2513

Product Overview

TRYPTOPHAN is one of the eight essential amino acids that the body cannot synthesize and must be obtained through diet. Tryptophan is the biochemical precursor to the neurotransmitter serotonin, which has important roles in biological processes such as regulation of appetite, sleep, and mood. Imbalances of serotonin have been linked to numerous mental health disorders. Tryptophan is also a precursor to the neurotransmitter melatonin, which is heavily involved in regulating the body's sleep cycle. Tryptophan Assay uses a coupled enzymatic reaction to determine the tryptophan concentration of a sample with the addition of a single working reagent. The fluorescence intensity at λex/em = 530/585 nm is directly proportional to tryptophan concentration in the sample.

Storage

-20°C

Shipping

On Ice

Size

100 wells

Detection method FL530/585nm

Compatible Sample Types

Serum

Features & Benefits

Fast and sensitive. Use of 10 µL sample. Linear detection range from 10µM to 400 µM tryptophan in 96-well plate assay.
Convenient. The procedure involves adding a single working reagent, and reading the

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Tryptophan Assay Kit

fluorescence after 30 minutes. Room temperature assay. No 37°C heater is needed. High-throughput. "Add-mix-read" type assay. Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day.

Assay time
30 min
Sensitivity
10 μM

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA