CREATIVE BIOMART®
Assay Kit

Zinc Quantification Fluorometric Kit

Product Information

Cat.No. Kit-0853

Product Overview

Zinc Quantification Kit (Fluorometric) provides a robust method for detecting zinc concentration in biological samples using our proprietary Zn Detector, in which Zinc binds to the probe with enhanced fluorescence at Ex/E485/525 nm. The Zinc probe exhibits a large increase in fluorescence in response to Zn2+ (greater than 200~300 folds). It has high Zn2+-specificity with little responses to other metals, including Ca2+, Mg2+, Mn2+, and Cu2+. The assay can be used with biological samples such as serum, plasma, and urine with detection sensitivity at 0.2 μM (13 ng/mL).

Size

200 tests

Description

Zinc is an essential trace mineral element that plays an important role in a number of biological processes. It is an essential factor required for many enzymes, protein structures, and control of genetic expression. Zinc status also affects basic processes of cell division, growth, differentiation, development, and aging. Clinical signs of zinc deficiency include acrodermatitis, low immunity, diarrhea, poor healing, stunting, hypogonadism, fetal growth failure, teratology and abortion. Simple, direct and automation-ready procedures for measuring zinc ion are highly desirable in research and drug discovery.

Applications

Functional Studies more details

Target Species

Reacts with: Human; Predicted to work with: all Mammals

Storage

Store at -20°C.

Kit Components

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

CREATIVE BIOMART®
Assay Kit

Zinc Quantification Fluorometric Kit

Components: 200 tests; Assay Buffer: 1 x 15ml; Zn Detector: 1 vial; ZnCl2 Standard: 1 vial
Compatible Sample Types
Urine, Serum, Plasma, Cell culture extracts, Other biological fluids, Tissue Extracts
Sensitivity
>13 ng/ml

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