CREATIVE BIOMART®
Assay Kit

Urinary Creatinine (Human/Mouse/Rat) Assay kit

Product Information

Cat.No. Kit-0840

Product Overview

Urinary Creatinine (Human/Mouse/Rat) Assay kit is an enzyme-linked immunosorbent assay for simultaneous quantification of albumin and creatinine in human, mouse and rat.

Description

This assay is designed for companion use with Exocell"s immunospecific ELISAs for urine albumin excretion*, allowing expression of results as µg albumin per mg creatinine in the urine. Adaptation of creatinine measurement to microtiter wells enables convenient, simultaneous determination of albumin and creatinine concentrations in the same specimen, using analogous microtiter plate formats. Normalization of albumin excretion in relation to creatinine facilitates classification according to defined ranges of microalbuminuria, the established marker of early diabetic renal dysfunction. The urine albumin-to creatinine ratio in a random urine specimen is an accepted alternative to cumbersome 24 hour urine collections in the detection and monitoring of microalbuminuria.

Applications

A microplate assay for the quantitative determination of urinary creatinine.

Target Species

Human, Mouse, Rat

Usage

For research use only (RUO)

Storage

Store the kit at room temperature.

Kit Components

96 well microtiter plates 2 x 96 (8x12) wellsPicrate Reagent 10 mL x 21 N NaOH 1 vialAcid Reagent 12 mL x 2Standards (1, 3 and 10 mg/dL) 3 vial

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Detection method	Colorimetric

Compatible Sample Types

Urine

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