CREATIVE BIOMART®
Assay Kit

Protein Carbonyl Content Assay Kit

Product Information

Cat.No. Kit-0729

Product Overview

Simple procedure; takes ~ 30-90 minutes

Size

100 assays

Description

Protein carbonyl groups are an important and immediate biomarker of oxidative stress. DNPH tagging of protein carbonyls has been one of the most common measures of oxidative stress. DNP hydrazones formed from the reaction are easily quantifiable at 375 nm. Protein Carbonyl Content Assay Kit is designed to provide a simple and accurate method of quantifying carbonyls in protein samples. Using BSA as an example, a 1 mg (~ 15 nmol) sample has a detection limit of about 0.15 nmol carbonyl, where BSA typically contains approximately 1-3 nmol carbonyl/mg.

Target Species

Mammalian

Usage

This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.

Kit Components

DNPH Solution100% TCA Solution10% Streptozocin Solution6 M Guanidine Solution96-Well Clear Plate

Detection method Colorimetric

Compatible Sample Types

Protein Containing Samples

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