

Zinc Quantification Kit

Cat. No. Kit-0852 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Zinc Quantification Kit is a convenient colorimetric assay in which Zinc binds to a ligand with development of absorbance at 560 nm. The assay can be used with biological samples such as serum, plasma, csf or urine with detection sensitivity 0.2 µg/ml (~1-3 µM).
Size	100 tests
Description	Zinc, a metallic chemical element, symbol Zn and atomic number 30 is chemically similar to Magnesium due to its similar size and sole oxidation state of 2+. Zinc is an essential mineral of great biological significance, because many enzymes require it as an essential cofactor. Examples of zincs biological roles include signal transduction, gene expression, regulation of apoptosis, synaptic plasticity and prostate gland function.
Applications	Functional Studies more details
Storage	Store at +4°C.
Kit Components	Components: Identifier; TCA: Clear; Zinc Reagent 1: WM; Zinc Reagent 2: Amber; Zinc Standard: Yellow
Detection method	Colorimetric
Compatible Sample Types	Urine, Serum, Plasma, Other biological fluids, Tissue Extracts, Cell Lysate, Cell culture media

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Assay time	0h 15m
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Sensitivity	>1 μ M
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