

IMPROVING WORKFLOW

TRACE METALS

ZINC ASSAY
DIRECT COLORIMETRIC METHOD WITHOUT DEPROTEINISATION

Some traditional methods for the measurement of zinc require pre-treatment to deproteinise samples.

The Sentinel Diagnostic method negates this pre-analytical step. The elevated concentration of urea denatures albumin in the sample releasing the zinc for measurement.

Switching to the Sentinel Zinc assay could improve your workflow and is suitable for use with serum, plasma or seminal fluid samples.

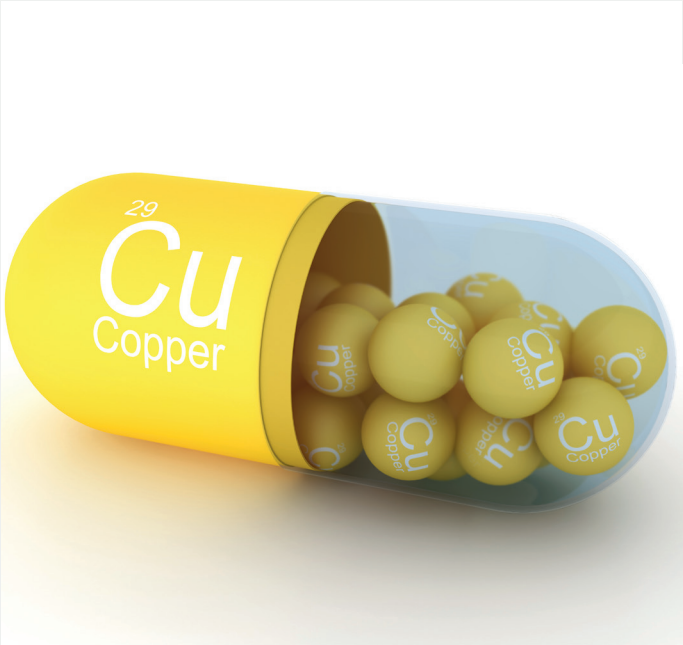


- Direct colorimetric assay
- No deproteinisation step required
- For use with serum, plasma or seminal fluid
- Measuring range 5-2000 µg/dL
- Standard included
- NIST Standardisation
- On-board stability 30 days

Ordering Information

Cat. No.	Description	Pack Size
17640H	Zinc Assay	5x20 & 11ml
17255	Zinc Assay	5x10 & 1x5ml

alpha laboratories





COPPER ASSAY

Sentinel Diagnostics offers a choice of direct colorimetric assays for quantification of copper in serum/plasma or urine.

Each assay kit is supplied complete with NIST traceable standard.

- Direct colorimetric assay
- No deproteinisation step required
- Standard included
- NIST Standardisation

For serum and plasma:

- Measuring range 3-500 µg/dL

For urine:

- Measuring range 3-20µg/dL

Ordering Information

Cat. No.	Description	Pack Size
17109	Copper assay for urine 3-20µg/dL	4x3ml
17638H	Copper assay for serum or plasma 3-500µg/dL	5x20 & 21ml

IRON ASSAY

This dual liquid stable reagent system enables measurement of iron in serum or plasma.

A direct colorimetric assay without the need to manually pre-treat samples to precipitate protein prior to analysis.

Use with the Sentinel Diagnostics Clinical Chemistry Calibrator -16550.

- Direct colorimetric assay
- No deproteinisation step required
- For use with serum or plasma
- Measuring range 5-1000 µg/dL
- On-board stability 30 days

Ordering Information

Cat. No.	Description	Pack Size
17648H	Iron for serum plasma 5-1000µg/dL	6x65 & 15ml
16550	Lyophilised multiparameter calibration serum	4x3ml



MAGNESIUM ASSAY

Magnesium can aid in the diagnosis of several disorders resulting from malnutrition, malabsorption and endocrinological disturbances.

Hypermagnesemia is associated with an inappropriate dosage of therapeutic agents such as magnesium sulphate but also with dehydration and renal disorders. Hypomagnesiumsemia is often related to decreased calcium and potassium levels and is caused by either decreased intake or excretion.

The Sentinel Magnesium Liquid assay is suitable for use with serum, plasma (heparin) or urine (dilute with HCl).

The recommended calibrator for the Magnesium assay is the Clinical Chemistry Calibrator 16550 and the suggested QCs for this test are the Clinical Chemistry Controls 16150 and 16250.

- Ready-to-use, liquid reagent
- For use with serum, plasma or urine
- Analytical range 0.04-10mg/dL
- On-board stability 30 days at 2-8C
- Calibration interval of 14 days

Ordering Information

Cat. No.	Description	Pack Size
17637H	Magnesium assay serum plasma urine 0.04-10mg/dL	6x20ml

Visit www.alphalabs.co.uk/diagnostic-products/clinical-chemistry for more information.

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supplying quality to science

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