



ZINC

DETERMINATION OF ZINC IN SERUM, PLASMA OR CEREBROSPINAL FLUID

- Colorimetric method (5-Br-PAPS)
- Use Serum, Plasma, Cerebrospinal fluid or Urine
- Incl. Zinc Standard
- Wavelength 560 nm



Products	Product no.	Quantity
Zinc Reagent Set	2299	4 x 25 ml

SUMMARY

PRINCIPLE

Zinc, in a pH 8.60 buffer system, forms with specific complexant 5-Br-PAPS a stable colored complex. The color intensity of which is proportional to the amount of zinc in the sample. The interferences, due to oligoelements present in the sample, are eliminated using particular reaction condition and specific masking agents.

SAMPLE MATERIAL

Serum, plasma, cerebrospinal fluid and urine (see note 1). EDTA-plasma and hemolyzed samples cannot be used.

LINEARITY

Up to 153 $\mu\text{mol/l}$. Values higher than 153 $\mu\text{mol/l}$ should be diluted with physiological saline (9 g/l NaCl) and reassayed.

QUALITY CONTROL

Pooled serum of known concentration or commercially available control material with established values are recommended for control of precision and accuracy.

Products	Product no.	Quantity
Serodos (human), assayed	13951	6 x 5 ml
Serodos Plus (human), assayed	13151	6 x 5 ml
Urinorm (human), assayed	2170	10 x 10 ml
Uripath (human), assayed	2171	10 x 10 ml

EXPECTED VALUES

Serum, plasma:

Male: 10.7 - 17.5 $\mu\text{mol/l}$

Female: 11.1 - 19.5 $\mu\text{mol/l}$

Urine: 52.2 - 122.3 $\mu\text{mol/24 hours}$

NOTES

1. For in vitro diagnostic use only.
2. For professional use only.
3. Always contact INstruChemie for the complete product insert and latest edition.
4. Printed in the Netherlands, Zinc-summary-280828-1.FEN