



ZINC

DETERMINATION OF ZINC IN SERUM, PLASMA OR URINE WITHOUT DEPROTEINIZATION

Colorimetric method (5-Br-PAPS)

Suitable for all analyzers – 250 tests

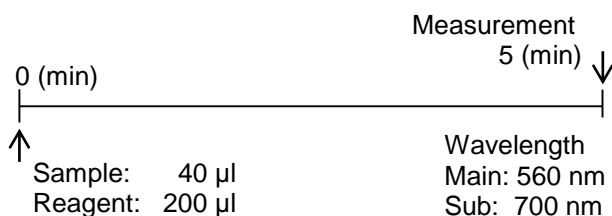
Product insert with instructions for automated and manual procedures

Stability reagents > 3 years after production

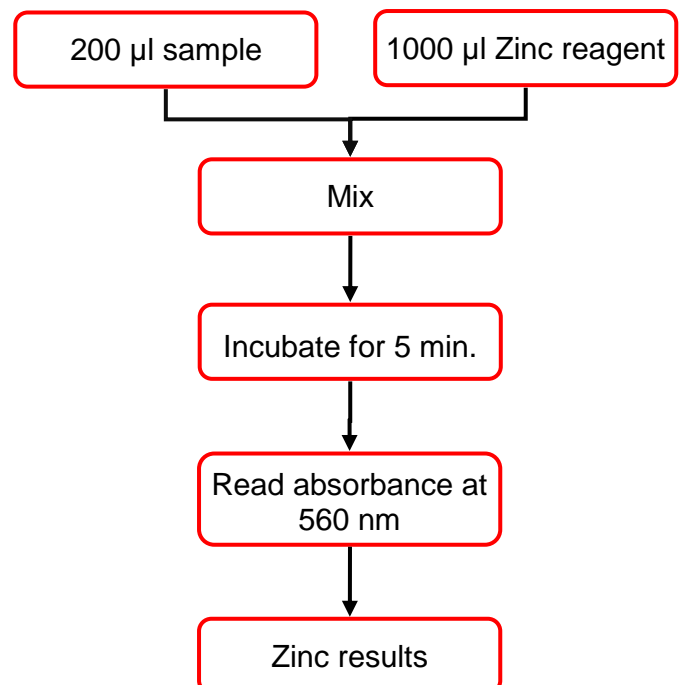
Serum and urine controls available

Without deproteinization

Settings for automatic analyzers



Manual procedure



Product name	Product no.	Quantity
Zinc Reagent Set	3106	50 -250 tests
Zinc Serum Control Low Level	3031	1 x 3 ml
Zinc Serum Control High Level	3032	1 x 3 ml
Zinc Urine Control Low Level	3033	1 x 3 ml
Zinc Urine Control High Level	3034	1 x 3 ml



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- Product insert with instructions for automated and manual procedures
- Stability > 3 years after production
- Zinc Controls available
- Wavelength 560 nm



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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 and urine. EDTA-plasma and hemolyzed samples cannot be used.

LINEARITY

Up to 70 µmol/l

EXPECTED VALUES

Serum, plasma:

- Male: 10.0 – 17.5 µmol/l
- Female: 9.6 – 15.8 µmol/l

Urine: 4.1 – 11.0 µmol / 24 hours
270 - 720 µgram / 24 hours

QUALITY CONTROL

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QUANTITY OF DETERMINATIONS

Procedure

- Manual : 50 tests
- Automated : 250 tests

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, January 2015, Edition 3.0