



LYSOZYME

DETERMINATION OF LYSOZYME (EC 3.2.1.17) IN SERUM, URINE OR FAECES

- Turbidimetric Method
- Instrument Application Sheets Available
- Use Serum, Plasma, Urine or Faeces
- Also available: Lysozyme Standard
Lysozyme Faeces Pretreatment Reagent
- Wavelength 546, 550 nm



Products	Product no.	Quantity
Lysozyme Reagent Set	2419	5 x 10 ml
Lysozyme Pretreatment Reagent	2493	1 x 500 ml
Lysozyme Standard Concentration: 25 mg/l	2411	10 x 5 ml

SUMMARY

PRINCIPLE

A suspension of *Micrococcus Lysodeicticus* in a suitable buffer is incubated at 25 °C or 30 °C with the sample. The lysozyme concentration is calculated from the decrease of turbidity. Hen egg white lysozyme is used as a standard.

SAMPLE MATERIAL

Use serum, plasma or urine undiluted.

Faeces Pretreatment

1. Add to exactly 1.0 gram faeces 9.0 ml Lysozyme Faeces Pretreatment Reagent (2493).
2. Shake during 45 minutes on a shaker. If the consistence of the faeces is too strong add some glass pearls.
3. Pipette an aliquot in a micro centrifuge tube en centrifuge the suspension 10 minutes at 10,000 rpm.
4. Use the supernatant as sample. If analysis are delayed the supernatant can be frozen at -20 °C. Stability; at least 6 weeks.
5. Multiply results by 10. (Dilution factor).

LINEARITY

Linearity: Temperature 25°C, 30°C = 25 mg / l
Temperature 37°C = 15 mg / l

Samples with levels over the highest standard curvepoint should be reassayed after dilution in saline (9 g/l).

EXPECTED VALUES

In serum: 3.0 - 12.0 mg/l
In plasma: 4.0 - 15.0 mg/l
In urine: 0 - 3 mg/l
In faeces: < 6 mg/l

NOTES

1. For in vitro diagnostic use only.
2. For professional use only.
3. Always contact INstru[®]chemie for the complete product insert and latest edition.
4. Printed in the Netherlands, Lysozyme-summary-280827-1.FEN