



## SPECIFIC GRAVITY CALIBRATOR OR CONTROL

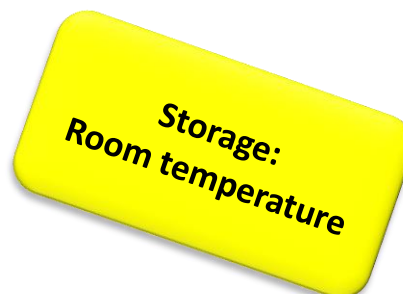
DETERMINATION OF SPECIFIC GRAVITY IN URINE

Refractometer: Specific Gravity

Stability > 10 years after production

Liquid

Ready for use



### SUMMARY

#### PROCEDURE

Calibrate the specific gravity by placing 1 or 2 drops of Specific Gravity Calibrator (1.005 or 1.030) (2322 or 2323) or Specific Gravity Control (1.015) (2324) in a temperature compensated refractometer, or use chemistry test strip containing specific gravity parameter.

#### ANALYTICAL RESULTS

Specific Gravity Calibrator (1.005)			
Component:	Method:	Result	Range
Sodium	flame photometry	69 mmol/l	68 - 74 mmol/l
Potassium	flame photometry	0 mmol/l	< 0.1 mmol/l
Osmolality	freezing point depression	239 mOsmol/kg H <sub>2</sub> O	230 - 250 mOsmol/kg H <sub>2</sub> O
Specific Gravity	refractometer	1.005	1.0045 - 1.0055

Specific Gravity Calibrator (1.030)			
Component:	Method:	Result:	Range:
Sodium 1 : 11	flame photometry	41 mmol/l	39 - 43 mmol/l
Potassium	flame photometry	1 mmol/l	0.5 - 1.5 mmol/l
Osmolality	freezing point depression	1481 mOsmol/kg H <sub>2</sub> O	1471 - 1491 mOsmol/kg H <sub>2</sub> O
Specific Gravity	refractometer	1.030	1.0295 - 1.0305

Specific Gravity Control (1.015)			
Component:	Method:	Result	Range
Sodium	flame photometry	230 mmol/l	215 - 245 mmol/l
Potassium	flame photometry	0 mmol/l	< 0.1 mmol/l
Osmolality	freezing point depression	694 mOsmol/kg H <sub>2</sub> O	674 - 714 mOsmol/kg H <sub>2</sub> O
Specific Gravity	refractometer	1.0150	1.0145 - 1.0155

Products	Product no.	Quantity
Specific Gravity Calibrator 1.005	2322	1 x 500 ml
Specific Gravity Calibrator 1.030	2323	1 x 500 ml
Specific Gravity Control 1.015	2324	1 x 500 ml



#### 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, July 2015 – version 3.0