

Product certificate Purines & Pyrimidines


Product name Control Purines & Pyrimidines

Product code

Product code	Colour cap
PUR-01	Silver

Date of issue 07-01-2016

Batch numbers and Expiry date

Batch number	Exp. date stored at +2°C to +8°C
LOT 2015.010	 2019-07

Reconstitution volume

5.0 mL

Calculated Consensus Values

Analyte	Calculated Consensus Value (µmol/L) *	95% Confidence Interval *	Expected Range results in Laboratory *
2-Deoxy-adenosine	38.0	36 - 40	22 - 54
2-Deoxy-guanosine	37.9	36 - 40	24 - 52
2-Deoxy-inosine	38.4	37 - 40	28 - 49
2-Deoxy-uridine	43.1	41 - 45	32 - 54
5-OH-methyluracil	49.7	46 - 53	31 - 68
Adenine	28.0	26 - 30	15 - 41
Adenosine	34.8	34 - 36	26 - 43
AICAR	52.5	48 - 57	32 - 73
Creatinine (mmol/L)	3.31	3.2 - 3.4	2.9 - 3.7
Dihydro-thymine	70.5	64 - 77	44 - 97
Dihydro-uracil	65.1	57 - 73	30 - 101
Guanosine	56.4	54 - 58	43 - 70
Hypoxanthine	116	112 - 120	91 - 141
Inosine	50.0	48 - 52	37 - 63
Orotic Acid	80.0	76 - 84	51 - 109
Orotidine	14.0	13 - 15	6 - 22
Pseudo-uridine	90.3	86 - 95	64 - 116
Thymidine	22.8	22 - 24	15 - 31
Thymine	39.5	37 - 42	23 - 56
Uracil	71.8	69 - 74	54 - 90
Uric Acid	279	271 - 287	233 - 325
Xanthine	95.9	91 - 101	60 - 132

* See Value Assignment and Ranges at the reverse



Purines & Pyrimidines

Intended purpose

Control of analytical systems for the determination of purines and pyrimidines in urine.

Contents

Lyophilized human urine to which purines and pyrimidines have been added to achieve an analytically and physiologically relevant level of the purines and pyrimidines.

Value Assignment and Ranges

The specimens are prepared from equal amounts of the specimen pools used to manufacture the ERNDIM External Quality Assessment Scheme samples. The assigned values represent the average of the mean consensus concentrations of the 4 pools equal to the concentrations in the annual report (see reverse of this product certificate). The column with the 95% Confidence Interval shows the confidence interval of the assigned value (narrow range). The column with the expected range shows the range in which results of individual laboratories can be expected (wide range).

Storage and stability

The product in lyophilized form is stable for 5 years when stored at +2 °C to + 8 °C. Expiration dates are found on the product certificate (reverse). The stability of the reconstituted product is 48 hours when handled appropriately: pure water, replacement of stopper and storage at 2-8 °C.

Instructions for use

- a. Remove cap and stopper
- b. Add 5 mL aqua destillata
- c. Replace stopper
- d. Let stand for 15 minutes at room temperature
- e. Mix carefully during 20 minutes at room temperature
- f. Process sample as patient sample

Precautions and warnings

1. For *in vitro* diagnostic use only.
2. This product should be handled with care, as appropriate for biological materials. Outdated and left-over material should be discarded as potentially infectious material, according to the procedures in your institute.

References

www.ERNDIMQA.nl

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