

# TRACEABILITY and UNCERTAINTY



## cobas c 501 / 502 / 503 / 311 / 303 / 701 / 702 - Calibrator $\beta$ 2-Microglobulin

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Roche Diagnostics GmbH

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| Routine Method<br>cobas c Systems   | ACN  | Reference Method | Reference Material   | Selected Measurement<br>Procedure | Calibrator Value | Uncertainty <sup>1</sup> | Unit |
|---|--|------------------|--|-----------------------------------|------------------|--------------------------|------|
| <b>B2MG</b><br>beta 2 Microglobulin<br><i>immunoturbidimetric serum, plasma</i> | c 311 / c 501: 093<br>c 502: 8093<br>c 701 / c 702: 8093<br>c 503 / c 303: 20250 |                  | WHO <sup>2</sup> 1 <sup>st</sup> International<br>Standard for $\beta$ 2-<br>Microglobulin | -                                 | 4.21             | 0.0675                   | mg/L |
| <b>B2MG</b><br>beta 2 Microglobulin<br><i>immunoturbidimetric urine</i>         | c 311 / c 501: 231<br>c 502: 8231<br>c 701 / c 702: 8231<br>c 503 / c 303: 20251 |                  | WHO <sup>2</sup> 1 <sup>st</sup> International<br>Standard for $\beta$ 2-<br>Microglobulin | -                                 | 4.21             | 0.0675                   | mg/L |

<sup>1</sup> This uncertainty (expanded uncertainty;  $k = 2$ ) was calculated in accordance with the "Guide to the expression of uncertainty in measurement" (GUM: 1993). For the estimation of the single standard uncertainties normal distribution of the measurement results is assumed; the level of confidence of the expanded uncertainty is about 95% with the coverage factor  $k=2$  (analogue to the 2sd of the standard uncertainty).

<sup>2</sup> WHO = World Health Organization