



Centre de toxicologie / INSPQ

# Biological Reference Material

## - Evaluation Report -

**QM-B-Q2312**

Biological matrix : Blood      Date of publication : 2028-03-21  
Expiration date :

| MATERIAL NUMBER | Biological matrix | ANALYTE       | ASSIGNED VALUE | UNIT | STANDARD UNCERTAINTY * | N  |
|-----------------|-------------------|---------------|----------------|------|------------------------|----|
| QM-B-Q2312      | Blood             | Aluminum      | 80.7           | µg/L | 2.16                   | 18 |
|                 | Blood             | Antimony      | 3.51           | µg/L | 0.0651                 | 25 |
|                 | Blood             | Total arsenic | 2.63           | µg/L | 0.0687                 | 40 |
|                 | Blood             | Barium        | 3.29           | µg/L | 0.0570                 | 16 |
|                 | Blood             | Beryllium     | 2.81           | µg/L | 0.0707                 | 20 |
|                 | Blood             | Bismuth       | 2.83           | µg/L | 0.0510                 | 20 |
|                 | Blood             | Cadmium       | 5.93           | µg/L | 0.0774                 | 48 |
|                 | Blood             | Cesium        | 4.71           | µg/L | 0.0993                 | 9  |
|                 | Blood             | Chromium      | 4.50           | µg/L | 0.0929                 | 29 |
|                 | Blood             | Cobalt        | 1.07           | µg/L | 0.0152                 | 39 |
|                 | Blood             | Copper        | 836            | µg/L | 7.94                   | 31 |
|                 | Blood             | Iodide        | 41.8           | µg/L | 1.62                   | 8  |
|                 | Blood             | Lead          | 249            | µg/L | 2.82                   | 52 |
|                 | Blood             | Manganese     | 13.6           | µg/L | 0.267                  | 37 |
|                 | Blood             | Mercury       | 5.06           | µg/L | 0.0987                 | 39 |
|                 | Blood             | Molybdenum    | 3.35           | µg/L | 0.0604                 | 33 |
|                 | Blood             | Nickel        | 1.98           | µg/L | 0.0864                 | 24 |
|                 | Blood             | Platinum      | 0.355          | µg/L | 0.0162                 | 12 |
|                 | Blood             | Selenium      | 152            | µg/L | 3.43                   | 34 |
|                 | Blood             | Silver        | 2.49           | µg/L | 0.0456                 | 20 |
|                 | Blood             | Strontium     | 83.8           | µg/L | 1.19                   | 18 |
|                 | Blood             | Tellurium     | 2.19           | µg/L | 0.106                  | 11 |
|                 | Blood             | Thallium      | 3.51           | µg/L | 0.0401                 | 34 |
|                 | Blood             | Thorium       | 0.730          | µg/L | 0.0322                 | 10 |
|                 | Blood             | Tin           | 3.32           | µg/L | 0.118                  | 20 |
|                 | Blood             | Titanium      | 20.0           | µg/L | 0.916                  | 8  |
|                 | Blood             | Uranium       | 0.485          | µg/L | 0.0107                 | 15 |
|                 | Blood             | Vanadium      | 1.45           | µg/L | 0.0352                 | 19 |
|                 | Blood             | Zinc          | 5080           | µg/L | 77.5                   | 31 |

\* Standard uncertainty (µx): characteristic of the dispersion of results used to calculate the assigned value; expressed in the same format as the standard deviation.



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