



Centre de toxicologie / INSPQ

# Biological Reference Material

## - Evaluation Report -

**QM-B-Q2319**

Biological matrix : Blood      Date of publication : 2028-08-01  
Expiration date :

| MATERIAL NUMBER | Biological matrix | ANALYTE       | ASSIGNED VALUE | UNIT | STANDARD UNCERTAINTY * | N  |
|-----------------|-------------------|---------------|----------------|------|------------------------|----|
| QM-B-Q2319      | Blood             | Aluminum      | 83.8           | µg/L | 3.70                   | 20 |
|                 | Blood             | Antimony      | 1.42           | µg/L | 0.0379                 | 26 |
|                 | Blood             | Total arsenic | 6.18           | µg/L | 0.0818                 | 48 |
|                 | Blood             | Barium        | 8.53           | µg/L | 0.261                  | 20 |
|                 | Blood             | Beryllium     | 14.8           | µg/L | 0.437                  | 22 |
|                 | Blood             | Bismuth       | 6.98           | µg/L | 0.150                  | 22 |
|                 | Blood             | Cadmium       | 2.40           | µg/L | 0.0395                 | 49 |
|                 | Blood             | Cesium        | 2.26           | µg/L | 0.0434                 | 11 |
|                 | Blood             | Chromium      | 1.28           | µg/L | 0.0785                 | 32 |
|                 | Blood             | Cobalt        | 1.03           | µg/L | 0.0191                 | 39 |
|                 | Blood             | Copper        | 1130           | µg/L | 19.0                   | 31 |
|                 | Blood             | Iodide        | 106            | µg/L | 3.53                   | 10 |
|                 | Blood             | Lead          | 269            | µg/L | 2.75                   | 53 |
|                 | Blood             | Manganese     | 15.4           | µg/L | 0.235                  | 37 |
|                 | Blood             | Mercury       | 23.0           | µg/L | 0.501                  | 44 |
|                 | Blood             | Molybdenum    | 4.49           | µg/L | 0.0782                 | 33 |
|                 | Blood             | Nickel        | 8.24           | µg/L | 0.199                  | 28 |
|                 | Blood             | Platinum      | 2.03           | µg/L | 0.0490                 | 15 |
|                 | Blood             | Selenium      | 295            | µg/L | 4.63                   | 36 |
|                 | Blood             | Silver        | 2.62           | µg/L | 0.0444                 | 18 |
|                 | Blood             | Strontium     | 25.3           | µg/L | 0.543                  | 19 |
|                 | Blood             | Tellurium     | 6.58           | µg/L | 0.228                  | 13 |
|                 | Blood             | Thallium      | 3.99           | µg/L | 0.0514                 | 37 |
|                 | Blood             | Thorium       | 1.86           | µg/L | 0.0644                 | 12 |
|                 | Blood             | Tin           | 22.7           | µg/L | 0.419                  | 22 |
|                 | Blood             | Titanium      | 8.80           | µg/L | 1.22                   | 8  |
|                 | Blood             | Uranium       | 0.911          | µg/L | 0.0234                 | 16 |
|                 | Blood             | Vanadium      | 1.95           | µg/L | 0.0503                 | 22 |
|                 | Blood             | Zinc          | 5060           | µg/L | 70.8                   | 30 |

\* 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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