



Centre de toxicologie / INSPQ

# Biological Reference Material

## - Evaluation Report -

**QM-B-Q2501**

Biological matrix : Blood  
Date of publication :  
Expiration date : 2029-10-21

| MATERIAL NUMBER | Biological matrix | ANALYTE       | ASSIGNED VALUE | UNIT | STANDARD UNCERTAINTY * | N  |
|-----------------|-------------------|---------------|----------------|------|------------------------|----|
| QM-B-Q2501      | Blood             | Antimony      | 1.16           | µg/L | 0.0498                 | 25 |
|                 |                   | Barium        | 4.40           | µg/L | 0.203                  | 16 |
|                 |                   | Bismuth       | 4.60           | µg/L | 0.0765                 | 20 |
|                 |                   | Cadmium       | 12.8           | µg/L | 0.171                  | 50 |
|                 |                   | Cesium        | 7.47           | µg/L | 0.297                  | 9  |
|                 |                   | Chromium      | 2.20           | µg/L | 0.0643                 | 32 |
|                 |                   | Cobalt        | 0.610          | µg/L | 0.0114                 | 34 |
|                 |                   | Manganese     | 9.37           | µg/L | 0.198                  | 37 |
|                 |                   | Mercury       | 5.62           | µg/L | 0.0965                 | 45 |
|                 |                   | Molybdenum    | 2.70           | µg/L | 0.0624                 | 32 |
|                 |                   | Nickel        | 5.64           | µg/L | 0.136                  | 23 |
|                 |                   | Platinum      | 4.39           | µg/L | 0.0986                 | 12 |
|                 |                   | Silver        | 4.39           | µg/L | 0.111                  | 16 |
|                 |                   | Strontium     | 15.3           | µg/L | 0.328                  | 15 |
|                 |                   | Tellurium     | 3.10           | µg/L | 0.171                  | 12 |
|                 |                   | Thallium      | 1.01           | µg/L | 0.0166                 | 32 |
|                 |                   | Thorium       | 2.25           | µg/L | 0.0853                 | 9  |
|                 |                   | Tin           | 12.0           | µg/L | 0.237                  | 20 |
|                 |                   | Titanium      | 6.33           | µg/L | 0.226                  | 9  |
|                 |                   | Total arsenic | 15.8           | µg/L | 0.246                  | 43 |
|                 |                   | Uranium       | 0.0973         | µg/L | 0.00392                | 13 |
|                 |                   | Vanadium      | 2.27           | µg/L | 0.0636                 | 17 |
|                 | Blood             | Aluminum      | 127            | µg/L | 4.57                   | 16 |
|                 |                   | Beryllium     | 18.0           | µg/L | 0.498                  | 16 |
|                 |                   | Copper        | 1770           | µg/L | 28.3                   | 27 |
|                 |                   | Iodide        | 44.6           | µg/L | 1.63                   | 10 |
|                 |                   | Lead          | 494            | µg/L | 5.80                   | 53 |
|                 |                   | Selenium      | 143            | µg/L | 1.77                   | 32 |
|                 |                   | Zinc          | 5470           | µg/L | 86.7                   | 24 |

\* 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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