

Also, under Dairy Product: QMR-001, QMR-002 (with the exception of true protein and casein), QMR-003, QMR-004, see method titles under unprocessed milk heading

(Chemistry Methods)

QMR-089 Salt in Cheese - Modified Mohr Method (SMEDP 15.051)

(Microbiology Methods)

MFHPB-20 Isolation and Identification of *Salmonella* from Foods and Environmental Samples (Health Canada) (QSM-095)

MFHPB-30 Isolation of *Listeria monocytogenes* and other *Listeria spp.* from Foods and Environment Samples (Health Canada) (QSM-074)

MFHPB-33 Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients using 3M™ Petrifilm™ Aerobic Count Plates (Health Canada) (QSM-096)

MFHPB-34 Enumeration of *Escherichia coli* and Coliforms in Food Products and Food Ingredients using 3M™ Petrifilm™ *E. coli* Count Plates (Health Canada) (QSM-098)

MFLP-21 Enumeration of *Staphylococcus aureus* in Foods and Environmental Samples using 3M™ Petrifilm™ *Staph.* Express (STX) Count Plates (Health Canada) (QSM-097)

Unprocessed Milk

(Chemistry Methods)

IDF 141 Milk and Liquid Milk Products - Guidelines for the Application of Mid-infrared Spectrometry (Fat, Fatty Acids, Lactose, Protein, Total Solids, beta-Hydroxybutyrate, Freezing Point and Milk Urea Nitrogen)

QMQ-024 Determination of Freezing Point in Raw Milk (Cryoscope)

QMR-001 Determination of Fat by Two Extractions Rose Gottlieb Method (modified IDF 1D)

QMR-002 Milk and Milk Products: Sample Preparation for Crude Protein, True Protein and Casein, Determination of Nitrogen Content by Kjeldahl Method and Calculation of Protein Equivalent (modified ISO 8968-1/IDF 20-1, ISO 8968-4/FIL 20-4, ISO 17997-2/IDF 29-2)

QMR-003 Determination of Lactose by HPLC (ISO 22662/IDF 198)

QMR-004 Determination of the solids content or moisture content in milk and dairy products (modified AOAC 990.20 and LCAQ-061)

QMR-059 Determination of Urea Content in Milk by Continuous Flow Analyzer (Skalar 612-322)

(Microbiology Methods)

QCC-001 Milk - Enumeration of Somatic Cells, Fluoro-opto-electronic Counters (modified ISO 13366-2/IDF 148-2)

QME-051 ELISA Assay for the Detection of Pregnancy

QMM-084 Direct Microscopic Method for Somatic Cell Count (SMEDP 17th edition 10.010/IDF 148-1 modified)

QMQ-022 Enumeration of Total Bacteria in Raw Milk (Bactoscan FC method)

QMQ-023 Detection of Antibiotic Residue in Raw Milk

Notes:

ISO/IEC 17025:2017: General Requirements for the Competence of Testing and Calibration Laboratories

AOAC: AOAC International, previously Association of Official Analytical Chemists

HPLC: High Performance Liquid Chromatography

IDF: International Dairy Federation

MFHPB: Microbiological Foods Health Protection Branch, Health Canada

MFLP: Microbiological Food Laboratory Procedure, Health Canada

QCC, QME, QMM, QMQ, QMR: Internal laboratory procedures

SMEDP : Standard methods for the examination of dairy products, J.E. Fitts and D. Laird, 17th edition, 2004

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Elias Rafoul
 Vice-President, Accreditation Services
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