

VeriCal® and VeriCal® Low-Plus reference milks are designed for calibration and monitoring of instruments used to test milk composition.

#### ABOUT VERICAL® REFERENCE MILKS

VeriCal® reference milks are suitable for calibration of instruments used to test unprocessed whole milk. Confidence that these instruments are accurate is required for:

- Supplier payment testing
- In-process testing at manufacture
- Herd testing
- Milk tanker testing

VeriCal® Low-Plus reference milks are designed for calibration of instruments used to test processed milks, such as modified and low fat milk. Confidence that these instruments are accurate is required for manufacturing plants:

- To calculate formulations
- To assess product yields

The sample sets are designed to cover the range of compositions for a calibration curve that supports the testing carried out in milk testing laboratories. Reference values are traceable to a national standard through the use of Australian Standard test methods for the determination.

#### BENEFITS OF USING VERICAL® REFERENCE MILKS

- **Confidence in Results:**
  - A regular calibration programme will identify instrument drift and measurement inaccuracies quickly and effectively
- **Credibility:**

Using these references can provide confidence to:

  - Production
  - Customers
  - Regulatory Authorities
  - Accreditation Agencies

#### VERICAL® REFERENCE MILK FEATURES

- Sample types and tests covering unprocessed whole milks, and processed milks, including modified and low fat milk
- High quality, robust data sets with low variation
- Internationally recognised statistical evaluation of data and sample quality

#### REFERENCE VALUES

Reference Values are supplied for: Fat, Protein (True & Crude), Lactose, Total Solids and Solids Non-Fat. Values are reported in both mass/mass and mass/volume. Each set of reference milks comprises five fractions which cover the following ranges:

Component	VeriCal®	VeriCal® Low-Plus
Fat (g/100mL)	1.6 - 5.8	0.06 - 2.0
True protein (g/100mL)	2.8 - 3.8	3.7 - 5.5
Lactose (g/100mL)	4.4 - 5.7	5.0 - 6.9

#### SAMPLES & FREQUENCY

There are 5 fractions each of VeriCal® and VeriCal® Low-Plus reference milks. These are prepared every six weeks, and dispatched to customers, followed by the certificates.

Extra sets of both VeriCal® and VeriCal® Low-Plus reference milks can be delivered to most locations within 24 hours, so that extra calibration checks can be carried out during that time.

#### VERITEST™ MILK PROFICIENCY TESTING

The VeriTest® Milk proficiency testing scheme provides laboratories independent test verification for milk testing, and provides external evidence that the calibration systems using VeriCal® reference milks is working effectively. This programme is offered 4 times per year, and is a valuable validation of the quality management system.

#### CONTACT US TO DISCUSS YOUR REQUIREMENTS

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