Preparation of Frozen Milk & Cream DRRR Standaron® Standards

Equipment Required	Thermometer Water bath
Time	Minimum 40 minutes after water bath has been prepared

Procedure

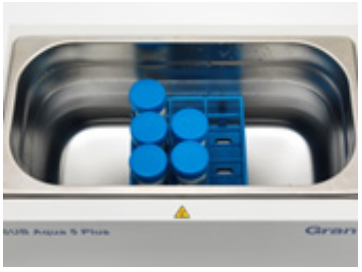
Set water bath to 40°C ± 0.5°C for all standard types, using a thermometer ensure temperature is correct and stable before commencing the process.

Standard Type	Code	Water Bath Temperature
Raw Milk	LKM RO	40°C ± 0.5°C
Pasteurised Milk	LKM PAM	40°C ± 0.5°C
Cream	LKM R	40°C ± 0.5°C

WARNING: If the water bath temperature is higher or lower than that stated on the SOP the material will be damaged and unsuitable for use

Collect the required STANDARON® standards from the freezer storage. Ensure the freezer is at the correct temperature (maximum -18°C)

Place the milk or cream STANDARON® standards in the water bath. After 30 minutes vigorously shake each sample for 10 seconds to ensure any solid milk or cream is dissolved and replace in the water bath, changing the positions of the samples in the rack to ensure even heat distribution



WARNING: If the water bath temperature is higher or lower than that stated on the SOP the material will be damaged and unsuitable for use

Return the samples to the water bath for 10 minutes to reach the correct temperature. All standards in the batch should feel warm when held

At 40 minutes the samples are ready for use, remove the samples from the water bath and check that the sample appears uniform and with no fat adherence to the tube. If the sample is not uniform it may have not been sufficiently thawed or shaken or may have gone off due to incorrect storage

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Mix the sample to be tested carefully by inverting directly before performing the analysis, ensuring each individual tube is inverted directly before testing. Do not invert all tubes and then test in a group allowing some to sit still for several minutes while others are tested, invert each directly before testing

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Test sample

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Discard sample

Note: A guarantee of the reference values and their uncertainties is only given under the precondition that the material is stored correctly and used as described above