

Instructions for Handling Chemical Test Materials and Recording Results

Receipt and Storage

- Due to the variety of QDCS test materials available storage methods differ. The test materials listed below should be stored at 2-8°C. All other test materials are stable at ambient temperature.

27, 28, 29, 32A, 32B, 35, 36, 37, 39, 40, 44, 53, 54, 55, 56, 58 and 59

- On receipt of the test material, record the date and store as appropriate.
- The test material should be analysed in accordance with the deadlines shown on the website: <https://www.lgcpt.com/portal>

Test Material Preparation

- The majority of test materials are supplied in a ready-to-use format. A few samples require some pre-treatment prior to use and details of this are shown below.

Test Material 31 (reconstitution)

1. Remove the cap and rubber stopper from the vial and add 10ml \pm 0.1ml of distilled or deionised water to the Phosphatase test material using a suitable pipette.
2. Replace the stopper and leave to stand for approx. 5 minutes.
3. Vigorously shake the sample for at least 1 minute to disperse the pellet and ensure that the sample is properly dissolved (a vortex mixer can be used to aid reconstitution).
4. Leave to stand for a further 1 minute and check there are no solid fragments in the sample. If any solid fragments remain, repeat step 3 until fragments are dissolved.

The test material is now ready for use. Please perform the Phosphatase test as you would for a normal laboratory test material.

Once reconstituted, if the test material is not to be analysed immediately, it should be stored at 2-8°C and must be tested as soon as possible.

Participants using fluorescence or luminescence instruments are requested to analyse the Test Material using a calibrated whole milk channel.

Test Materials 34 & 57 (reconstitution)

Remove the cap and rubber stopper from the vial and add 5ml \pm 0.1ml of distilled or deionised water to the Antibiotic control using a suitable pipette.

Now follow instructions for 31 from step 2.

Test Material 60 (reconstitution)

Remove the cap and rubber stopper from the vial and add 25ml \pm 0.1ml of distilled or deionised water to the test material using a suitable pipette.

Now follow instructions for 31 from step 2.

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Test Materials 27, 39, 40, 53, 54 & 55

1. Place the unopened container in a water bath set at a temperature range of 30-40°C. Do not leave the container in the water bath for longer than is necessary for the contents to reach this temperature.

NB: When performing IR analysis, please proceed directly to step 3.

2. Once the test material has reached the required temperature, cool rapidly (e.g. under cold running water) until at ambient temperature.
3. Using a spoon or spatula, stir the contents thoroughly but do not cause undue frothing or churning. Commence analysis immediately.

Reporting Results

To ensure results are returned in a comparable format the following Test Materials must be provided as follows:

Protein (Test Materials 28, 37, 43, 51, 52, 58 and 59)

- All protein values returned must be expressed as the nitrogen content multiplied by the factor 6.38 (i.e. protein = N x 6.38)

Titratable acidity (Test Materials 29, 39 and 56)

- All results are to be expressed as % lactic acid to 2 decimal places.

Titratable acidity (Test Materials 51 and 52)

- All results are to be reported under one of the following method categories:
 - ISO 6091: 2010 (IDF 86: 2010)
 - BS 1743-7.2:1982, ISO 6092:1980
 - GEA Niro method A19a
 - 'Other' methods
- Results are to be expressed as specified in the relevant standard.

Salt (Test Materials 36, 37 and 59)

- All results are to be expressed as sodium chloride (NaCl) to 2 decimal places.

Recording Results

- All results should be submitted using PORTAL
- Please go to <https://www.lgcpt.com/portal>
- Login using your Lab ID, username and password.
- A PORTAL user guide can be downloaded from the help section.

If you need any help at all please do not hesitate to contact our support team using the details below or your local LGC representative.

Tel: +44(0)161 762 2500

Email: support@lgcpt.com

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Precautions

- All test materials are supplied on the understanding that the purchaser has suitably competent and qualified personnel to handle them safely. Test materials must only be opened in a laboratory by qualified personnel.

Refer to the Safety Data Sheet for information on the safe handling of the test material.