Instruction Sheets

SUPS

Sugar Proficiency Testing Scheme

lgcstandards.com/AXIO

Issue No: 09
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GENERAL INFORMATION

Storage after receipt

On receipt of the test material, record the date and store as appropriate

Storage temperature	Samples			
Room temperature (20±5°C), dry, insect free, volatile free storage area	PT-PC-01 PT-PC-05	PT-PC-02 PT-PC-07	PT-PC-03 PT-PC-10	PT-PC-04 PT-PC-11
Refrigerated (2 to 8°C)	PT-SM-06	PT-SM-08		

Please note:

- Conditions for storage after receipt of the sample may differ from the conditions under which the PT sample was transported
- Stability data have shown that uncooled transport of samples intended to be stored at 2-8°C does not affect the stability of the test materials for the time of the PT round

The test material(s) should be analysed in accordance with the deadlines shown on the website: https://portal.lgcstandards.com

Choice of method or procedure

Participants are expected to use the test method, calibration, or measurement procedure of their choice. This method should be consistent with the participant's normal procedures, for example, duplicate analysis should only be performed if that is part of the routine analytical process. Some samples may require specific preparation or analysis, if so, this is indicated in this document.

Participants may submit results for some, or all the parameters requested.

Sample Details (Chemistry)

- Chemistry test materials are presented in a ready-to-use format.

Sample Details (Microbiology)

- The test materials represent 'real' food or beverage samples, which may or may not contain the target organism(s) at a range of inoculum levels. Test materials may also contain background flora.
- Please consider all dilution factors when calculating the level of the target organisms in the original sample. Where relevant guidance is given in the instructions.
- Do not sub-divide samples prior to dilution unless stated in the instructions.

Precautions

- Microbiological test materials contain viable micro-organisms and 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 and disposal of the test materials

Reporting Results

- All results should be submitted using PORTAL
- Please go to https://portal.lgcstandards.com
- 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: axiopt@lgcgroup.com

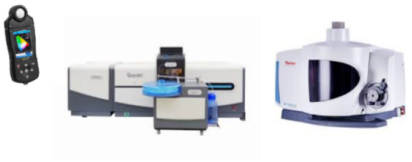
Protocol BC-SU-QA	Sample codes:	Description:	
	PT-PC-01 PT-PC-03 PT-PC-04 PT-PC-05 PT-PC-07 PT-PC-10 PT-PC-11	75 to 500g matrix (+ 1 sealed pouch for PT-PC-07)	

Step 1
Analyse the test materials with the routine methods used by your laboratory

Note 1: PT-PC-07 is presented in two containers; the normal 500mL pot and a second vacuum seal pouch (to improve the results for moisture analysis). Please **use the pouch for moisture analysis** first before using the sugar for any other analytes.
It is recommended to **perform a filtration of the solution process twice** in order to obtain a stable polarimeter reading.
Note 2: If possible, **PT-PC-10** should be tested in a **temperature and humidity controlled environment**. Record this information in the comments section on Portal. **PT-PC-10 to be opened just prior to commencing testing**. Any deviation from this must be recorded in the comments section on Portal.

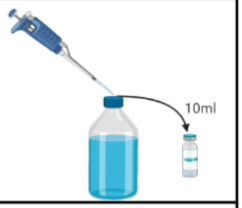
Analyte	Samples	Additional information
Dextran	PT-PC-07	• Please be advised the ICUMSA Method GS1/2/9-15 has recently been updated. Please include the version number of the method you are following in the comments section of Portal.
Polarisation	PT-PC-07	• Please note the format for reporting polarisation has changed slightly. Participants are requested to report their choice of clarifying agent as a secondary method if they have used method GS 1/2/3/9-1. If the chemical used does not appear in the list provided, please choose "Other" and add a comment detailing the clarifying agent used. If participants have used method GS1/2/3-2, this information is not required. • The increase in collected data from participants will allow us to analyse the reported results more fully and to provide better feedback to ICUMSA.

Protocol BC-SU-EL	Sample codes: PT-PC-02	Description: 200g matrix	

Step 1 Analyse the test materials with the routine methods used by your laboratory	

Analyte	Samples	Additional information
All	PT-PC-02	• Please note the format for reporting metals in sample 2 has changed slightly. Participants are requested to report using the chosen ICUMSA method as their primary method and their quantification instrument as their secondary method. If none of the options are applicable, please report using the "Other" method and add a comment detailing the method used. • The increase in collected data from participants will allow us to analyse the reported results more fully and to provide better feedback to ICUMSA.

Protocol BM1V	Sample codes: PT-SM-06 PT-SM-08	Description: 10ml glass vial containing lyophilised pellet	

Step 1 Prepare 1L sterile deionised water to use as a diluent		**Step 2** Aseptically remove cap and rubber bungstopper from the vial and reconstitute the freeze-dried test material by adding a small quantity (approximately 10ml) of the diluent prepared in Step 1	
Step 3 Replace the vial stopper and mix/ shake to dissolve		**Step 4** Add this concentrate to the remaining diluent. Rinse the vial out 2 or 3 times to ensure all freeze-dried test material is transferred from the vial	
Step 5 Gently mix sample, then allow to resuscitate before proceeding	 This now represents undiluted product	**Step 6** Filter 100ml aliquots for each of the target parameters (other methods and volumes may be used and results calculated accordingly)