

Global Proficiency's NewsChek

Issue 22, February 2023

Reference Materials and Quality Control Materials

We have soil and plant Reference Materials (RM) and Quality Control Materials (QCM) available.

We offer a sample size of 150g of soil for RM and QCM, with test lists covering most of the routine chemistry tests. If your lab requires a QCM for the other tests available in the SoilChek proficiency programme, please let us know, as we can create these on request.

We also offer a 20g sample of plant RM and QCM with the full list of PlantChek tests available.

RM's are very useful for ongoing monitoring of test and equipment performance and training purposes.

The assigned value includes the uncertainty of the mean based on *n* results, and the test methods used to establish the assigned value.

Please see example below:

| Test Name | n Labs | n Values | Mean | Uncertainty of Mean ¹ | k | Methods |
|---|--------|----------|-------|----------------------------------|------|------------|
| CaCl ₂ Extractable B (mg/kg) | 5 | 8 | 0.863 | +/- 0.070 | 2.36 | 12C1, 12C2 |
| Colwell P (mg/kg) | 6 | 10 | 64.3 | +/- 3.7 | 2.26 | 9B1, 9B2 |

QCM's are often provided where RM's are not available.

They provide the user with an assigned value and a 2 standard deviation range calculated from proficiency testing rounds for each analyte offered.

Please see example below:

| Test Name | Methods | n Value | Assigned Value | Assigned Range |
|---------------------------|-----------------------------|---------|----------------|----------------|
| Acid P (mg/kg) | Extr Acid P 9G1 9G2 (mg/kg) | 13 | 23.5 | 13.1 - 33.9 |
| Ammonium Nitrogen (mg/kg) | Amm-N 7C2 (mg/kg) | 24 | 26.8 | 22.7 - 30.8 |

For a list of the current available RM and QCM, please visit our website:

<https://www.global-proficiency.com/rms-and-qcms>

Upcoming Rounds

Please see below our upcoming rounds and QC despatches.

February

- MilkChek (Rd 2)
- LipidChek (Rd 2)
- VT AM (Rd 2)
- VT Cultured Products (Rd 2)
- VT UHT Products (Rd 2)
- WaterChek Chem (Rd 3)
- MWPF (Rd 3)
- BeverageChek (Rd 3)
- VT Milk (Rd 3)
- NurtureChek (Rd 3)
- VeriCal (0304)
- Raw Cream QC (14493)

March

- DairyChek (Rd 3)
- MilkChek (Rd 3)
- VT UHT Products (Rd 3)
- VT Cream (Rd 3)
- HoneyChek (Rd 3)
- WaterChek Chem (Rd 4)
- MWPF (Rd 4)
- NurtureChek (Rd 4)
- PlantChek (Rd 5)
- SoilChek (Rd 6)
- VeriCal (2205)
- Raw Cream QC (14494)

VeriTest® Food Micro

The VeriTest® Food Microbiology Proficiency Programme is designed for laboratories routinely testing food products and related materials.

A matrix is not included so laboratories from a wide range of food manufacturing and processors can participate. We offer the following range of tests and are open to further suggestions;

- Aerobic Plate Count–30 & 35°C
- Total coliforms and *Escherichia coli*
- Faecal coliforms
- *Bacillus cereus*
- *Clostridium perfringens*
- Coagulase Pos. Staphylococci
- Yeast and Moulds
- Enterobacteriaceae
- Enterococci

The programme is offered 6 times per year (even months); multiple technicians can participate allowing ongoing monitoring of performance across large teams.

If you are interested in any further details please contact us on:

registrations@global-proficiency.com



Meet The Team



Uma joined Global Proficiency back in February 2022 as a Despatch Technician helping prepare and despatch samples to our customers.

She brings extensive experience to Global Proficiency as she has previously worked as a Laboratory Technician in both New Zealand and Fiji.

Uma is married with two kids and in her spare time you will either find her gardening or traveling.

Wrap Up of 2022

The Global Proficiency team hopes all of our customers got a opportunity to take a break over the holiday season, to spend with friends and family while recharging your batteries. We would like to wish all of our customers the best for 2023.

The team ensured that we ended 2022 on a high note by having a shared lunch where the team's baking and cooking skills were put to the test! The team also had fun playing Christmas Bingo, quizzes and a competition on who could build the best paper aeroplane.

The team decided to give back to our local community by collecting items for our local women's refuge. See a picture of our awesome team effort below.



Customer Survey

We are preparing to undertake our annual customer survey of our proficiency testing programmes due to be released mid February. We would greatly appreciate your time to complete the survey and provide feedback on the services we offer. **There is a chance to win \$100 gift card of your choice for completing the survey!**

If you have any questions or require any assistance please contact us at:

enquiries@global-proficiency.com

We would like thank you in advance for your participation and we look forward to hearing your feedback.



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