

Global Proficiency is a specialist provider of proficiency testing, reference and quality control materials, and related services. With support staff in New Zealand and Australia, we provide an independent and confidential service to more than 750 laboratories in 80 countries.



INDEPENDENT ASSURANCE FOR LABORATORIES

Proficiency Testing (also known as Inter-Laboratory Comparison Program (ILCP), PT or External Quality Assessment (EQA)) provides laboratories with objective assessments of the accuracy and reliability of their test results. Proficiency Testing also provides the opportunity for laboratories to benchmark their performance within a pooled industry group, nationally or internationally.

INTRODUCING GLOBAL PROFICIENCY

Participating in Global Proficiency's proficiency testing (PT) schemes provides laboratories with independent assurance of the accuracy and precision of their test results. Participating laboratories join an established network of proven analytical performance.

➤ Proficiency Testing Programmes

Our programmes help to ensure alignment of test results and testing methods between laboratories. We provide regular inter-laboratory rounds for continuous monitoring of a wide range of tests and product matrices. We also provide investigative studies for method validation, for method comparisons and for other purposes.

➤ Reference and Quality Control Materials

Our Reference Materials and Quality Control Materials are an integral part of a laboratory's quality assurance programme to provide confidence that the measurement process is working as expected. They may be used for method validation, calibration, quality control and training purposes.

➤ DataChek - Analysis of Test Data

We offer a range of specialist services to assist with interpretation of test data and related information, including – assessment of bias and accuracy, repeatability and reproducibility, uncertainty of measurement, and method validation. We also assist with design and assessment of sampling plans.

➤ Training & Consultancy Services

WHY GLOBAL PROFICIENCY?

Global Proficiency operates in accordance with international best practice. We are:

- Accredited to ISO/IEC 17043 as a Proficiency Testing Provider
- Accredited to ISO 17034 as a Reference Material Producer by IANZ (International Accreditation New Zealand)
- Recognised by EPTIS (European Proficiency Provider Information System) as a proficiency testing provider.
- Used by the Ministry for Primary Industries New Zealand, as the proficiency provider for the meat and food testing industries.

OUR PROFICIENCY TESTING PROGRAMMES

Environmental & Agricultural

WaterChek	FertChek
SoilChek	SieveCal*
PlantChek	TimberChek*

Dairy & Milk

VeriTest® Milk	DairyChek
VeriTest® Antimicrobials*	MilkChek
VeriTest® Cream	NurtureChek
VeriTest® UHT Products	

Food & Beverages

VeriTest® Food	LipidChek
VeriTest® Shellfish	HoneyChek*
VeriTest® Meat	BeverageChek
VeriTest® Probiotics*	AllerGens*
VeriTest® Cultured Products*	

Pathogens

PathoGens

**Programmes not included in the Providers Scope of Accreditation*

OUR REFERENCE AND QUALITY CONTROL MATERIALS

The use of Reference Materials and Inter-laboratory QC Materials is an integral part of a wider quality assurance programme, providing an important tool for supporting equipment checks, instrument monitoring, training and assisting in the estimation of measurement uncertainty. Global Proficiency offers a wide range of reference and QC materials, in addition to manufacturing one-off, tailored references to suit the growing needs of a busy laboratory.

Reference Materials (RM)

Dairy products	Soils
Infant formula	Plants

Inter-laboratory Quality Control Materials (QCM)

These materials are produced using data from a single presentation in a Proficiency Testing (PT) round, so are available for the majority of PT programmes and products we offer once the round assessment and reporting processes are complete. QC Materials are a useful tool for frequent and routine instrument and process-flow checks.

OUR DATACHEK SERVICE

DataChek is a service we provide to laboratories and organisations that need either one-off or regular data analysis.

Global Proficiency will individually tailor statistical analysis to suit the varied and challenging requirements of your organisation. Our services offer an independent, impartial, and confidential means of evaluating and interpreting your data.

Our specialists are happy to discuss with you how we can help with your data analysis requirements.

DataChek

- Single-point Measurement Audits (SPMA): May be used in the absence of an existing PT programme as a one-off means of performance assessment.
- Measurement Uncertainty (MU): Estimation of a laboratory's MU for specific tests and methods from their historical PT programme data.
- Ring trials: Customised to ascertain alignment across a testing industry, or company laboratories.
- Method benchmarking & equivalency: Used to assess statistical differences between laboratories and methods.

- Statistical interpretation of data derived from studies.

OUR CONSULTANCY SERVICES

Global Proficiency has experience in assisting laboratories from various testing industries achieve accreditation to ISO/IEC 17025 and compliance to industry-specific government and regulatory requirements.

Consultancy Services

- Assistance with achieving accreditation to ISO/IEC 17025 – Management & Technical aspects.
- Implementation of Laboratory Quality Control tools to support your current procedures.
- Organisation of processes to establish the Uncertainty of Measurement associated with your test results.
- Optimisation of the testing performance of your laboratory.
- Method validation processes.

OUR TRAINING SERVICES

Global Proficiency's specialists can provide training services across a range of different sectors. Whether you require on-site, or on-line training for your laboratory team members, we are flexible and will work with you to meet your requirements.

Training Services

Training to support Laboratory Quality Control processes including:

- Interpretation and use of proficiency reports and statistics
- Use of reference and quality control materials
- Measurement uncertainty feedback
- Method verification and validation

CONTACT US TO DISCUSS YOUR REQUIREMENTS

enquiries@global-proficiency.com

OR VISIT OUR WEBSITE AT

www.global-proficiency.com