



OUR SERVICES

Your Laboratory Excellence..

Our Duty

Training

Laboratory Development
towards Accreditation

Proficiency Testing



TRAINING



Target Laboratory Systems offer **Public Training Courses** as well as **Tailor-made Training Course** at **TLS facilities** and at **Customers facilities** according to the customers requests

Quality Management System (QMS)

- Introduction to laboratory accreditation
- Requirements of ISO/IEC 17025:2005
- Requirement of ISO 15189:2007
- Internal auditor
- Statistics for analytical chemistry
- Validation of methods of analysis
- Estimation of measurement uncertainty
- Quality control for analytical chemistry
- Technical Assessor Training Course
- Training of Trainers

Food Contaminants Analysis

- Introduction to food contaminants analysis
- Analysis of pesticide residues
- Analysis of aflatoxins
- Analysis of dioxins and PCBs
- Analysis of trace elements

Water Analysis

- Analysis of drinking water according to WHO regulations

Chemical Analysis Instrumentation

- Gas Chromatography and its application
- Liquid Chromatography and its application
- GC/MS/MS and its application
- LC/MS/MS and its application
- Atomic Absorption Spectrometry (AAS) and its application
- Inductively Coupled Plasma (ICP) its application
- UV spectrometry and its application

Microbiology Examination

- Good Laboratory Practices for microbiological examination laboratories
- QA/QC for preparation and performance of solid and liquid culture media (ISO 11133-1,2)
- Detection of listeria monocytogenes in food (ISO 11290-1)
- Detection of salmonella in food (ISO 6579)
- Examination of canned food spoilage
- Bio-safety in microbiological examination laboratories

Pharmaceutical Examination

- GMP for pharmaceutical laboratories

- Analysis of pesticide residues in drinking water
- Analysis of trace elements in drinking water
- Analysis of trihalomethanes in drinking water

- GLP for pharmaceutical laboratories
- Quality risk management– Tools and Techniques



DEVELOPMENT TOWARDS ACCREDITATION




Target Laboratory Systems assist organization to develop towards accreditation to **ISO/IEC 17025, ISO 15189 or ISO/IEC 17020.**

Our support can be in the following forms:

- **A comprehensive project** to qualify laboratories and/or inspection bodies towards accreditation. This includes training of the laboratory/inspection body staff in all aspects required to establish, implement and maintain the management system. It also includes direct assistance and supervision on establishing and implementing the documentation and accumulating the records required for accrediting the laboratory/inspection activities.
- **Coaching** in one or more of the activities required for accreditation. These include, but are not limited to, the following:
 - ⇒ Coaching in Quality Documentation Development
 - ⇒ Application of Quality Control Measures
 - ⇒ Measurement Uncertainty
 - ⇒ Selection of appropriate PT scheme
 - ⇒ Organization of Inter-laboratory Comparison
 - ⇒ Internal Audits
- **Technical support** that is not limited to the following:
 - ⇒ Operation and troubleshooting of test equipment
 - ⇒ Validation and adaptation of the methods
 - ⇒ Estimation of uncertainties
 - ⇒ Interpretation and reporting of testing results

In addition to any other specially requested support that the organization might require.





*QUALITY IS NEVER AN ACCIDENT:
IT IS ALWAYS THE RESULT OF INTELLIGENT
EFFORT*

PROFICIENCY TESTING



Target Laboratory Systems is the first accredited PT provider to ISO/IEC 17043 in Egypt and the Middle East

Target Laboratory Systems offers accredited PT schemes for **PHARMACEUTICALS** and **FERTILIZERS**.

To provide integrated and comprehensive services to our customers to comply with their accreditation requirements, Target Laboratory Systems organizes and manages Proficiency Tests (PTs) schemes in as many scopes as required by our customers. All our PT services are complying with ISO/IEC 17043 requirements.

Target Laboratory Systems strives to provide excellent turnaround time, quality, cost efficient, and value added service to our customers as well as the highest levels of customer information confidentiality.

We accept special requests for PT rounds and welcome our customer comments, feedback, and even complaints or appeals for which we have a strict procedure that ensures the proper resolution of the problem, if any, so that our customer is satisfied, and our system is improved.



**FIRST ACCREDITED PT
PROVIDER**

AUDITING SERVICES



To ensure the laboratories compliance with the accreditation standards as well as the regulatory standards, Target Laboratory systems offers its auditing services the following forms:

- **Gap analysis:** conducted to obtain a comprehensive idea about an existing situation and decide on future steps towards accreditation.
- **Internal audit:** conducted either by our representatives or by the laboratory/inspection body staff under our representative assistance and supervision to provide hands on training.
- **Simulation of accreditation:** conducted by our representatives to simulate the assessments performed by the accreditation body. This gives the laboratory/inspection body management the confidence in the laboratory/inspection body status before having the official accreditation visit. It also helps the laboratory/inspection body staff gets familiar with the activities conducted during the accreditation visit.



Assistance towards improvement

LABORATORY TECHNICAL SUPPORT



Target Laboratory Systems offers a wide array of technical services to its laboratory customers to help them achieve and maintain excellence in their service provision to their clients. Our services include, but are not limited to the following:

- Developing a technically detailed list of procurements for a particular testing scope including equipment, chemical, reagents, certified reference materials, reference standards, and glassware.
- Assisting in adapting and validating the most capable and cost efficient test method.
- Coaching and supervising operation and troubleshooting of test equipment (GC, HPLC, GC-MS, GC-(MS)n, HPLC-MS, HPLC-(MS)n, AA, ICP, ICP-MS, spectrophotometers, incubators, freeze-driers...etc)
- Developing Sampling Plans
- Development and validation of in-house methods
- Coaching and supervising estimating measurement uncertainties
- Interpretation and reporting of testing results
- Assisting in investigating and resolving customer complaints
- Assisting in planning for the calibration of the laboratory equipment
- Working as the laboratory representative to perform logistics of purchasing of laboratory services or supplies



Target Laboratory Systems.. Targets Your Laboratory Needs



Your Laboratory Excellence.. Our Duty

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