

Bureau of Laboratory Personnel Development, Department of Science Service, Ministry of Science and Technology (BLPD) is a leader in the science and technology training services for laboratory personnel in both government and private sectors. The goal is to increase number of knowledgeable and skillful laboratory staffs. We provide training service as a main tool to upgrade the capability of Thailand's laboratory workforce such that the staffs will have credential that is well accepted at domestic and international level.

BLPD offers products and services that enable our customers to achieve excellence in laboratory skills in varying area i.e. testing, calibration and research and development. The field of training services is consisted of chemistry, physics, biological science and laboratory management. Training courses are organized at the training center in Bangkok and in all four regional provinces as well as web-based training courses.

The training course contents provided can be categorized as follows

- Calibration of scientific instruments: pH meter, analytical balance, temperature measurement instruments, UV-VIS spectrophotometer performance validation, etc.
- Laboratory quality control systems: statistics for testing and research laboratory, method validation, laboratory safety, ISO/IEC 17025, etc.
- Analytical techniques for instrumental methods: Atomic Absorption Spectrophotometer (AAS), UV - VIS spectrophotometer, Gas Chromatograph (GC), High Performance Liquid Chromatograph (HPLC), Gas Chromatograph - Mass Spectrometer (GC/MS)
- Fundamental chemical analysis techniques: preparation of standard solution, basic

knowledge about chemicals.

- Professional analyst programs: chemical analyst, food microbiological analyst, etc.

BLPD is the pioneer of Certification Body for Persons on Science and Technology in Thailand. Our initiative certification scheme on “**Control and Management of Chemicals in Laboratories**” is currently in service. Scope detail is available for member states to adopt for national certification.

ISO/IEC 17024 is the International Standard for bodies operating certification of persons, a mean of providing assurance of certified person. The certification scheme should be designed according to demand driven from public services, market need, official or governmental concerns. A certification body for persons shall set up assessment process and methods to indicate certified persons' for domestic and international confidence and acceptance. Moreover, it is the main approach for capacity building on Science and Technology.