



IQLS

INTEGRATED QUALITY
LABORATORY SERVICES

www.iqls.net



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Quality Assurance | EQA | ISO Standards | Laboratory Assessment | Laboratory Policies
Training | E-learning | Public Health Laboratories | TB | Biosafety | IT Tools for Laboratories

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Integrated Quality Laboratory Services - IQLS
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GENERAL PRESENTATION

IQLS is a newly created consulting agency that aims at promoting and strengthening laboratory activities worldwide.

Why **"Integrated"**?
Integrated laboratory strengthening activities provide the best outcomes. Laboratory

strengthening activities need to be achieved in an integrated way in order to have the best impact on the targeted laboratories: standardized evaluations and audits, dedicated training modules, Quality Assurance implementation, Proficiency Testing, data and record management, supplies management, etc.

Why **"Quality"**?
Quality Assurance and excellence are the key to ensuring that modern and reliable laboratories provide diagnostic services that are reliable and trustworthy, even in resource-limited settings. Quality diagnostic services enable clinicians to make the best possible use of patients' results, as well as allow first-rate and targeted public health actions to be carried out.



▶ DETAILED ACTIVITIES

LABORATORY AUDITS AND EVALUATION

- ▶ General laboratory evaluations in relation to quality systems implementation
- ▶ Evaluations based on ISO standards (ISO 15189 & ISO 17025)
- ▶ Tool development: (laboratory assessment tools)
 - For communicable and epidemic prone diseases
 - For vertical programmes (HIV, Malaria, Trypanosomiasis, etc.)
 - For high security laboratories (Tuberculosis, Biosafety, Viral Hemorrhagic Fever)
- ▶ Specific work using GIS (Geographic Information Systems) to display laboratory indicators
- ▶ Collaboration with epidemiologists, disease surveillance units, national and international laboratory networks

TOOL DEVELOPMENT

- ▶ IT tools and database for laboratories
- ▶ Laboratory assessment tools
- ▶ Laboratory Information Management Systems and laboratory electronic logbooks
- ▶ Proficiency Testing data management software development
- ▶ Implementation of electronic laboratory reporting using mobile phone technology
- ▶ Software for supporting ISO 15189 compliance
- ▶ Software for laboratory stock management
- ▶ Software for cold chain management
- ▶ Software for equipment preventive maintenance management
- ▶ Planning and costing tool development
- ▶ Software training organization

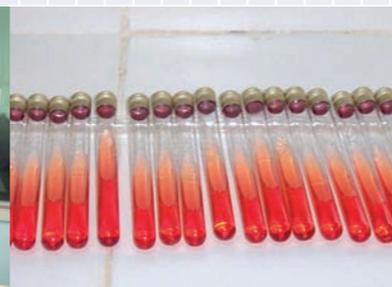
LABORATORY REGULATION, LABORATORY POLICIES

- ▶ Collaboration with Ministries of Health
- ▶ Assessment of laboratory systems
- ▶ Designing and planning for laboratory networks and laboratory coordination and control mechanisms
- ▶ Reference laboratory organization (terms of reference, tenders, budget, etc.)
- ▶ Laboratory network organization
- ▶ Sample transportation system organization
- ▶ Updating of legislative texts, decrees and laws
- ▶ Development of regulations for laboratory systems and individual laboratories



STAFF TRAINING

- ▶ Design and development of training modules
- ▶ Organization of regular face to face training sessions
- ▶ Organization of distance learning sessions: www.labtraining.net
- ▶ Training on QA (Quality Assurance), communicable diseases, antibiotic resistance, Biosafety, TB, Malaria, HIV, etc.
- ▶ Training for and implementation of Proficiency Testing programmes (practical training, PT data management software, programme implementation)
- ▶ Training on laboratory software and IT tools



QUALITY ASSURANCE (QA)

- ▶ QA audits
- ▶ QA training (one week introductory training, specialized modules)
- ▶ QA manual development training
- ▶ Development of laboratory Quality Assurance manuals
- ▶ Design of guidelines for QA implementation
- ▶ Proficiency Testing programme development and organization
- ▶ Laboratory mentoring



PROJECT MANAGEMENT

- ▶ Project coordination, strategic management
- ▶ Feasibility surveys before laboratory creation or renovation, facility design, in accordance with chosen identified standards
- ▶ Project, monitoring and evaluation
- ▶ Project management, consensus conference organization, workshop organization and animation

IQLS is supported by a multi-cultural team of international consultants and specialists. IQLS's areas of expertise include laboratory management, laboratory Quality Assurance, Proficiency Testing, laboratory policies, and medical database programming. IQLS gives prompt and professional answers to all laboratory-related questions.

TENDERS

- ▶ Proposal writing, contact with funding agencies and stakeholders
- ▶ Technical specification development
- ▶ Participation in technical committees
- ▶ Laboratory specific equipment, tender documentation and specifications development

TRANSLATION WORK

- ▶ Official WHO translator, English to French (for medical laboratories, pharmacy and drugs-related documents)
- ▶ Capacities within IQLS to work and develop documents in English, French, Russian, Chinese and Spanish

EMERGENCY MISSIONS

- ▶ Field evaluation during complex emergencies (natural disaster, refugee camps, mass displacements)
- ▶ Response to outbreaks, coordination of pre-analytical steps (sampling guideline, sample transportation guideline)
- ▶ Writing development and strengthening projects

International laboratory specialist and IQLS President, Dr. Antoine Pierson, coordinates all technical activities.

The IQLS team has over 15 years' experience in laboratory science around the world (in more than 40 countries on three continents). IQLS works with world renowned health organizations and funding agencies.

