

Biennial activity report from JCTLM Member organizations

All JCTLM Members are invited to attend the Members' and Stakeholders' Meeting, which is held once every two years, and submit a report of their activities in support of traceability in laboratory medicine over the preceding period.

For that purpose this template document provides guidance to JCTLM Members for drafting their biennial activity report. Organizations are invited to provide the information below for submission to the Executive Committee.

Organization Name: DIRUI Industrial Co., Ltd Reference laboratory of China

JCTLM Member status: Stakeholder Member

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Period covered: 2022 – 2023

1. Major achievement(s) in support of standardization in laboratory medicine

Our laboratory is able to carry out reference methods for 15 projects and provide reference measurement services. The measurement range/method covered is:

Enzymes: ALT /ALP/AST/CK/GGT/LDH/alpha-amylase (Kinetic spectroscopy);

Metabolites and substrates: Glucose/Urea (Kinetic spectroscopy);

Proteins: Total protein (Kinetic spectroscopy);

Blood cell fields: WBC/RBC/PLT/HGB/HCT (Reference measurement methods);

On October 10, 2020, our laboratory passed the CNAS reference laboratory accreditation, and the certificate can be queried on the CNAS official website.

On June 10, 2021, our laboratory passed the CNAS reference laboratory accreditation (15 projects), and the certificate can be queried on the CNAS official website.

In 2023, Glucose and Urea were jointed the JCTLM database.

Currently, our laboratory has not published any publications.

2. Planned activity(ies) in support of standardization in laboratory medicine

Our laboratory's new measurement area/ measurand of interest is on the field of immunity, using LC-MS/MS method to research vitamins and hormones.

The method we are developing in our laboratory is to use high performance liquid chromatography as a candidate reference method for serum creatinine.

The calibration measurement services portfolio we want to extend is immunity.

3. Promoting traceability in laboratory medicine

In 2023, our laboratory participated in the assignment, commutability, and applicability evaluation of glucose candidate standard material by National Institutes for Food and Drug Control, as well as the applicability evaluation of composite electrolyte frozen human serum national candidate material by National Institutes for Food and Drug Control in 2023.

4. Reference laboratory networks /collaborations focusing on developing /implementing reference measurement systems

Our laboratory have been participated in RELA- IFCC EQAS for 10 consecutive years from 2013 to 2023, the code of our laboratory in RELA- IFCC EQAS is 124.

According to the 2022 RELA results released on the official website, 22 projects (AMY/AST/GGT/ALP/ALT/LDH/TP/GLU/UREA/UA/TG/CRE/TB/Mg/K/Ca/Na/HbA1c/25-OH-VD3/COR/TSTO/T4) achieved qualified results.

Interlaboratory comparison results:

RELA - IFCC External Quality assessment scheme for Reference Laboratories in Laboratory Medicine at
<http://www.dgkl-rfb.de:81/index.shtml>

In October 2023, participated in the National Clinical Metrology Technical Committee Standardization Review Meeting and the 2023 Annual Meeting.

5. Open questions and suggestions to be addressed by JCTLM

No suggestion.