

DIRUI Industrial Co., Ltd biennial activity report

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

JCTLM Member status: Stakeholder Member

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Period covered: 2020 – 2021

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 has passed the CNAS reference laboratory accreditation, and the certificate can be checked on the CNAS official website.

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

Currently, our laboratory has not published any publications.

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

Our laboratory interest in measurands and new measurement area is Chemiluminescence field, Research on vitamin and hormones projects using LC-MS/MS methods.

The method being developed in our laboratory is to use high performance liquid chromatography as a candidate reference method to test serum creatinine.

3. Promoting traceability in laboratory medicine

Our laboratory has published an article in the conference papers of the China Reference System Annual Conference, the title is 《Determination of testosterone in serum by isotope dilution liquid chromatography tandem mass》.

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

Our laboratory have participated in RELA- IFCC EQAS for 8 consecutive years from 2013 to 2021, the code of our laboratory in RELA- IFCC EQAS is 124.

Among the RelA results released in 2020, 15 projects (ALT/AST /ALP/AMY /DLH/CK/GGT /TP/Urea/ GLU/TB/UA/TC/TG//CRE) have achieved passing results.

In the 2021 rela results just released on the rela website, 15 projects (ALT/AST/ALP/AMY/DLH/ CK/GGT/TP/Urea/UA/TC/TG//CRE/NA/CL) have achieved passing results.

Intralaboratory comparison results:

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

On November 10-12,2020, we participated in TD-MSQS2020 Therapeutics and Diagnostics: Measurements, Standards, Quality and Safety held by JCTLM、WHO、IFCC and multinational metrology institutes and world famous biological hospital enterprises.

5. Open questions and suggestions to be addressed by JCTLM

No suggestion.