

Draft template for 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:

JCTLM Member status: Stakeholder Member

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Period covered: 2024 – 2025

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

- Transfer of creatinine ID-GCMS reference method to ID-LCMS/MS. Validation is ongoing for this method.
- Development and validation of sodium ICP-MS method using method JCTLM database method C14RMP9. This method has recently been accredited according to ISO 17025 incorporating ISO 15195. Internal Weqas EQA samples will have Reference Measurement values assigned using this method.

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

- Transfer of electrolyte measurements from FAAS/FAES to ICP-MS. Potassium work has commenced. Calcium, magnesium and lithium development will follow.
- Full validation and accreditation of progesterone Reference Measurement method using Tandem LC-MS-MS.
- Development of bilirubin Reference Measurement method (ongoing).
- Development of Salicylate Tandem LC-MS-MS Reference Measurement method (ongoing).

3. Promoting traceability in laboratory medicine

- EQALM 2025 poster presentation: Application and Validation of a Candidate Reference Measurement Method for Sodium using ICP-MS (Gemma Brett, David Ducroq)
- Weqas participant meeting, Cardiff 2025 oral presentation: Understanding Measurement Traceability and Uncertainty (David Ducroq)

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

- ~ JCTLM Review Team Leader for Electrolytes and Blood Gases (David Ducroq)
- JCTLM Review Team member for:
 - Metabolites (David Ducroq)
 - Non-peptide hormones (David Ducroq)
- JCTLM TG Knowledge Transfer (David Ducroq)
- Chair of the HALMA (harmonization of measurands in laboratory medicine through data aggregation) working group: Measurand (creatinine, calcium and albumin) (David Ducroq)

- Member of the HALMA (harmonization of measurands in laboratory medicine through data aggregation) working group: Description of Methods Used by EQA Organizers (Annette Thomas)
- Member of European Metrology Network (EMN), Traceability in Laboratory Medicine (TraceLabMed)

5. Open questions and suggestions to be addressed by JCTLM

(Suggestions on issues related to standardization and metrological traceability that should be considered by the JCTLM)

Note: The information of this report will be accessible publicly on the relevant JCTLM Members webpage, unless the author of the report states otherwise. In the case the organization does not authorize the publication of the report in part or full, the author will add a statement to clarify which part(s) of the report will /will not be rendered public.