

## NIST biennial activity report

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:** National Institute of Standards and Technology (NIST)

**JCTLM Member status:** National Member

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**Period covered:** 2020 - 2021

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

NIST issued the following new or renewal CRMs during the past year:

SRM 916b Bilirubin

SRM 927f Bovine Serum Albumin (7% Solution)

SRM 2969 Vitamin D Metabolites in Frozen Human Serum (Total 25-Hydroxyvitamin D Low Level)

SRM 2970 Vitamin D Metabolites in Frozen Human Serum (25-Hydroxyvitamin D2 High Level)

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

NIST continues to develop new and renewal CRMs to support comparability in laboratory medicine. CRMs currently in development include:

SRM 917d Glucose

SRM 956e Electrolytes in Frozen Human Serum

SRM 967b Creatinine in Frozen Human Serum – Low Level

SRM 2921a Human Cardiac Troponin Complex

SRM 3666 Albumin and Creatinine in Frozen Human Urine

RM 8121 Cardiac Troponin I in Frozen Human Plasma

### 3. Promoting traceability in laboratory medicine

NIST provides information on current standardization and harmonization projects to our stakeholders through a variety of mechanisms. One example is a project page on standardization of urine albumin measurements (<https://www.nist.gov/programs-projects/nist-urine-albumin-standardization-program>)

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

NIST staff participate in a variety of committees and working groups including:

JCTLM Working Group for Traceability, Education, and Promotion

JCTLM Task Force on Reference Measurement System Implementation

JCTLM Database Working Group

Standardization of Genome Amplification Techniques

IFCC Scientific Division Working Groups and Committees

**5. Open questions and suggestions to be addressed by JCTLM**

N/A