Request for Proposal (RFP): Proteomics data generation services for MLSC Biobank Program

Ends on Fri, Apr 17, 2026 11:59 PM

1. Background and Purpose

MLSC seeks proposals from qualified vendors to perform proteomics analyses on biospecimens collected through the Biobank Program. These services will support discovery, biomarker development, and translational research.

2. Scope of Work

A. Sample Preparation

- Processing of plasma, serum, tissue, or other approved sample types, as well as MA regulations for handling human samples.
- Standardized protocols to minimize variability.
- Documentation of pre-analytical variables.

B. Proteomics Analysis

- High-throughput, research-grade proteomic profiling.
- Support for discovery and targeted workflows where applicable.
- Reproducible and validated analytical pipelines.

C. Data Output and QC

- Delivery of raw and processed proteomics data.
- Defined quality metrics and performance reporting.
- Annotation of proteins and analytical parameters.

D. Data Integration

- Secure data transfer to MLSC-designated platforms.
- Alignment with biobank metadata and clinical data.

3. Vendor Qualifications

- Experience with large-scale proteomics studies.
- Demonstrated reproducibility and analytical rigor.
- Ability to support multi-site biobank initiatives.

4. Proposal Requirements

Executive summary, technical methodology, QC standards, experience, implementation plan, pricing, and assumptions.

5. Evaluation Criteria

Analytical rigor, scalability, data quality, integration readiness, experience, and cost.

6. Timeline

Deadline: 4.17.2026

Evaluation Period: Proposals will be weighted based on technical expertise, alignment with the MLSC's needs and cost-efficiency. Finalists may be interviewed in mid/late May. A decision will be made in May/June with a tentative commencement in June.

MLSC reserves the right to modify this timeline at its discretion.

7. Additional Terms

For questions regarding this RFP, contact: BioBank@masslifesciences.com

This RFP does not constitute an obligation to fund any proposals. The MLSC reserves the right to modify or cancel this RFP at any time and may request further clarifications or conduct interviews as part of the selection process.

Thank you for your interest in the MLSC Biobank Program

Please read the scope of work prior to submitting the proposal.

Requirements

Proposal Requirements

Responding organizations must submit a complete proposal that addresses the following elements. Proposals that do not include all required components may be considered non-responsive.

Applicant Information

Legal Name of Organization (required)

Primary Point of Contact Name (required)

First Name (required)

Last Name (required)

Primary Point of Contact Email (required)

email@example.com

Primary Point of Contact Phone (required)

Company Website (required)

example.com

Headquarters Location (required)

Country (required)

Select...

Address (required)

Address Line 2 (optional)

City (required)

State, Province, or Region (required)

Zip or Postal Code (required)

Section 1: Executive Summary

1.1 Proteomics Service Overview (required)

Limit: 500 words

Summarize your proteomics capabilities and relevance to a statewide biobank.

Section 2: Technical Approach

2.1 Sample Types and Preparation (required)

Limit: 300 words

Describe supported sample types and preparation workflows.

2.2 Proteomics Platform and Methods (required)

Limit: 300 words

Describe analytical platforms and workflows.

2.3 Quality Control and Reproducibility (required)

Limit: 300 words

Describe QC metrics and reproducibility strategies.

Section 3. Data Outputs and Integration

3.1 Data Deliverables (required)

Limit: 300 words

Describe raw and processed data outputs.

3.2 Data Transfer and Integration (required)

Limit: 300 words

Describe secure data delivery and integration capabilities.

Section 4. Compliance and Security

4.1 Compliance Standards (required)

Limit: 300 words

Describe applicable regulatory and security standards.

4.2 Data Security Controls (required)

Limit: 300 words

Describe encryption, access controls, and audit mechanisms.

4.3 Please upload documentation for all applicable laboratory accreditations, quality management certifications, and data security or privacy certifications held by your organization. (required)

Choose File

Upload a file. No files have been attached yet.

Acceptable file types: .csv, .doc, .docx, .odt, .pdf, .rtf, .txt, .wpd, .wpf, .gif, .jpg, .jpeg, .png, .svg, .tif, .tiff

Examples include, but are not limited to:

Laboratory and Quality Systems

- CLIA certification (optional, not required)
- CAP accreditation (optional, not required)
- ISO 9001 (Quality Management)
- ISO 20387 (Biobanking)

Data Security and Privacy

- SOC 2 Type II
- ISO/IEC 27001
- Other third-party security or compliance audits

Section 5. Experience and References

5.1 Relevant Proteomics Experience (required)

Limit: 300 words

Describe prior large-scale or multi-site proteomics projects

5.2 References (required)

Limit: 300 words

Provide at least two references, including organization name, contact name, and email.

Section 6. Implementation and Pricing

6.1 Turnaround Times and Capacity (required)

Limit: 300 words

Describe throughput and scalability.

6.2 Pricing Structure (required)

Limit: 300 words

Describe pricing assumptions and models.

Section 7. Supporting Materials

7.1 Optional Uploads (required)

Choose File

Upload a file. No files have been attached yet.

Acceptable file types: .csv, .doc, .docx, .odt, .pdf, .rtf, .txt, .wpd, .wpf, .gif, .jpg, .jpeg, .png, .svg, .tif, .tiff

Upload technical documentation or sample reports.

Save Draft Apply

Drafts may be visible to the administrators of this program.