

Biospecimen Collection, Management, and Biorepository Services

TISSUE

DNA
CELLSPLASMA
PROTEINS

RNA

SERUM

RTI International provides full-scale biospecimen collection and management services—from initial study assessment and design to protocol implementation and specimen acquisition, processing, and storage. We design and implement the technical procedures and measures needed to collect and maintain high-quality biospecimens that can be used for a variety of downstream applications, including “omics technology.”



For more than 30 years, RTI has provided our clients with expert technical and operational guidance that supports the design and conduct of biospecimen collection activities for all types of health and environmental studies. Our staff of highly skilled professionals can offer our clients a portfolio of proven procedures and services to successfully collect and manage a wide variety of biospecimens.

Biospecimen Study Management

- Offer turnkey biospecimen management/operations
- Manage timelines/milestones/deliverables
- Meet study compliance using standard or customized operating procedures
- Develop material transfer agreements and import permits



Site Training and Monitoring

- Conduct site readiness assessment
- Develop comprehensive training programs
- Provide in-person/video/telephone/ Web-based training
- Implement quality assurance/quality control procedures
- Perform site visits (initial/annual/close-out)



Regulatory Compliance

- Meet all regulatory compliance challenges
- Provide staff trained in current regulations
- Access to in-house Institutional Review Board
- Adhere to HIPAA/OSHA/IATA/DOT/USPS

Specimen Collection Kits

- Design and assemble high-quality collection kits
- Develop user-friendly instructions
- Coordinate kit distribution to clinical/home-based locations
- Track kit distribution/returns
- Monitor kit component expiration/replenishment

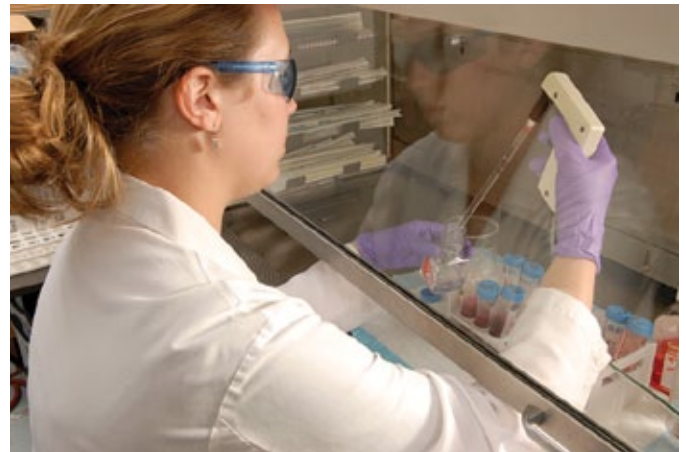


Biorepository Features

- Secure access control facility
- 24/7/365 electronic/video surveillance
- Controlled temperature storage (LN₂/-80°C/+4°C/ambient)
- Real-time Web-based inventory control
- Auto-transfer backup generators
- NIST-calibrated temperature monitoring system
- Operational backup storage
- 24-hour on-call alarm response
- Competitive pricing

Specimen Processing Services

- Whole blood fractionation
- PBMC isolation
- Serum/plasma separation
- Specimen aliquoting
- Control rate freezing
- Cell count and viability assays



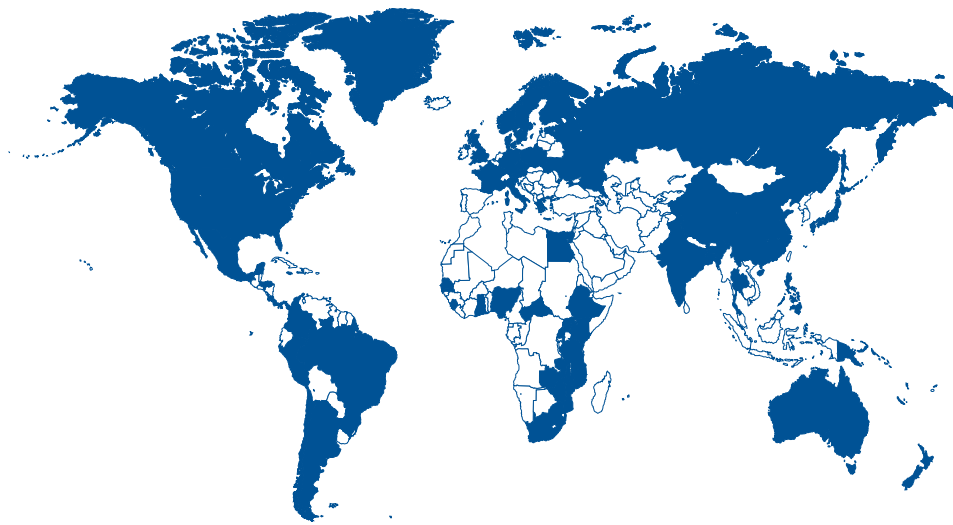
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Screenshot of BSI requisition module.

Biospecimen Management System (BSI)

- Secure Web-based system
- NIST moderate risk and 21 CFR compliant
- caBIG bronze certified
- Comprehensive specimen/freezer/inventory management
- Inherent parent/child lineages — tracks aliquots/derivatives
- Store and track consent/test results, demographic/clinical data
- Create, distribute, and track collection kits
- Generate/monitor/print 1D and 2D barcode labels
- Import/export data in multiple formats
- Generate standard or customized reports
- Provide safe/certified sample destruction

■ RTI has organized the shipment of biospecimens from countries worldwide



Shipping and Cold Chain Management

Our highly trained logistics team is experienced in shipping biological material and infectious substances in compliance with ICAO/IATA/DOT/USPS specifications. We also

- Obtain export or import permits
- Design packaging to meet shipping requirements
- Track shipments from origination to destination
- Provide international or domestic documentation
- Supply shipping kits and materials to sites
- Offer traditional or custom transport solutions

More information

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