

Accelerating Innovation in Translational Medicine



20
YEARS OF
TRANSLATIONAL
RESEARCH EXCELLENCE
AND INNOVATION

4000+
PROJECTS
COMPLETED

800+
CLIENTS
SUPPORTED

150+
VALIDATED PARTNER
CLINICAL SITES
AND LABS IN
20 COUNTRIES

50+
TEAM MEMBERS
AND GROWING

ISO
9001:2015
CERTIFIED

**SPECIMEN
to SOLUTIONS:
Let's Collaborate**



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Precision & Translational Medicine CRO

Human Biospecimens · Translational Pathology · Biomarker Services · Preclinical In Vivo Projects · GMP ATMP Services

www.curelinegroup.com

Accelerate your Immuno-Oncology (I/O) research studies with Cureline, a global name in biobanking and precision medicine.

TM

Cureline offerings in the I/O spectrum:

- High-quality Primary cells and Dissociated tumor viable samples (DTCs)
- Fresh tumor samples
- 3-D Histoculture (3-D tissue cultures for mono or multiple drug sensitivity)
- A wide-ranging selection of BioSpecimens across multiple sample types and disease indications
- Banked and custom procurement of biofluids from patients receiving I/O and SOC therapies
- Longitudinal sample collection (tissue and biofluids) with outcome data

TISSUE
2
TARGET

Cureline
GROUP OF COMPANIES

CELLECTA



About Cureline Group

Cureline is a global precision and translational medicine CRO with a network of over 150 clinical sites and laboratories, located in more than 20 countries. Our central repository is located in the San Francisco Bay area, a well-known hub for innovation in healthcare and biomedical sciences. We specialize in human sample validation project design, human biospecimen (HBS) procurement, processing and analysis, HBS management, and ex-vivo specimen laboratory treatment. Cureline supports the development of biomarkers, therapeutics and diagnostics for a wide variety of therapeutic areas, including Oncology, Immunology, Infectious Diseases, Metabolic and Cardiovascular Diseases, and Maternal Health. Our laboratories specialize in molecular analysis, glycoproteomics and tissue research.

Success means Partnership with Cureline

Cureline marks 20 years of excellence in human tissue research in 2023. Our team's expertise in biomedical procedures and translational medicine has helped make us a true leader in human tissue biobanking. In addition, Cureline's prime location in the US hub of scientific innovation and biotechnology provides excellent access to cutting-edge technology and enables us to maximize our application of clinical competence to both local and multi-national scientific collaborations.



Global Compliance

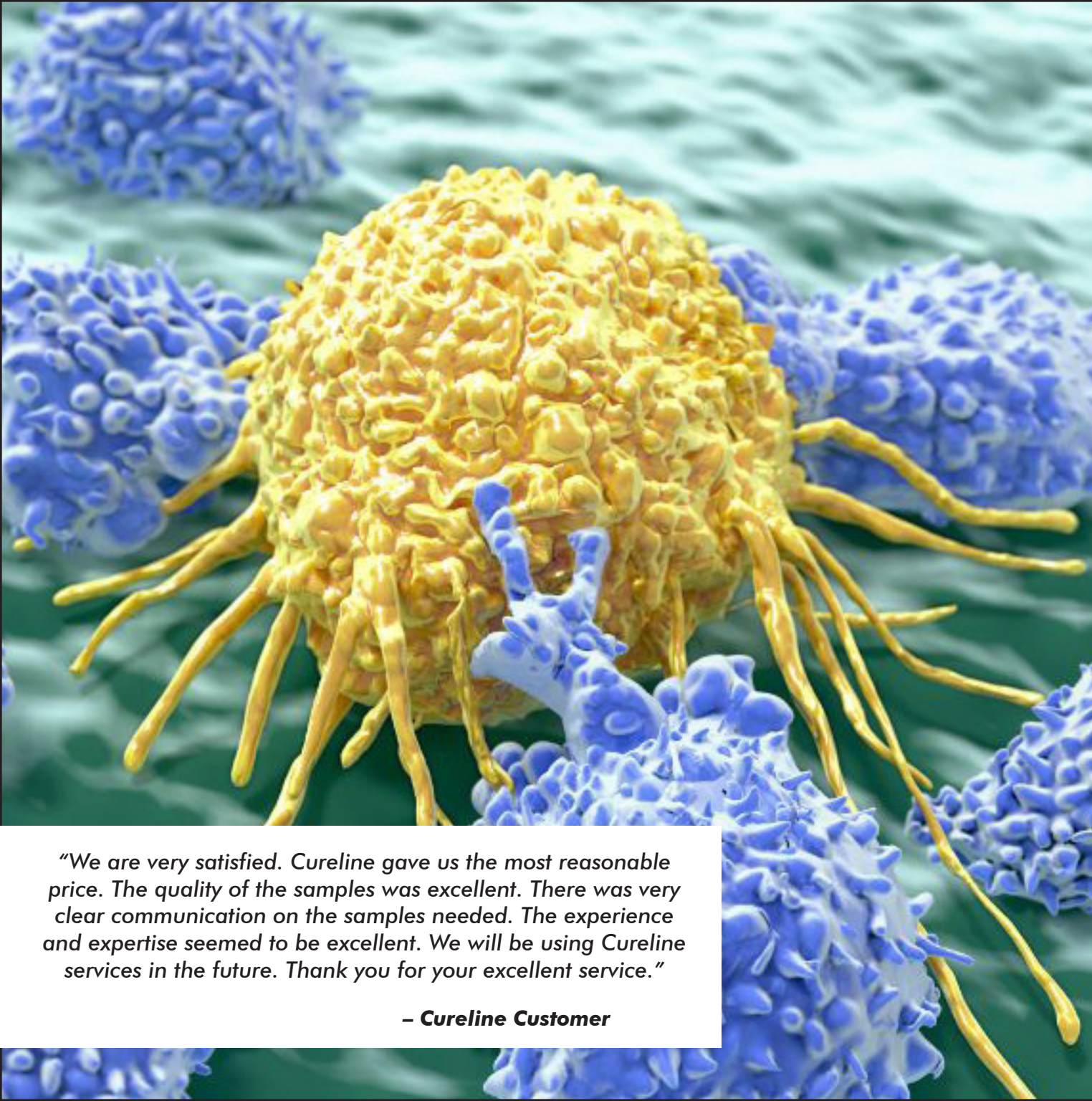
Our legal and regulatory teams work with central as well as local institutional research boards and ethics committees worldwide in order to formulate protocols that comply with international and local guidelines. Informed consent forms for patients are developed in collaboration with study sponsors and principal investigators. All Cureline clinical sites comply with GLP, GCP, GCLP and Best Practices for human specimen biobanking (ISBER, NCI, CAP). The specimen procedure by Cureline sites are donated by consenting patients, ensuring suitability for both academic and commercial biomedical research. Our group is fully-compliant with HIPAA and ISO standards, and is open for necessary audit and inspection. Cureline is ISO 9001:2015 certified.



Custom Projects

Cureline is a leading provider of customized translational medicine research services. Since 2003, we have been facilitating access to and provision of complex specimens for biomarker research and diagnostic development in key therapeutic areas, with particular focus on Immuno-Oncology, Hematology, Inflammatory conditions and rare/orphan diseases. Our global team of Life Science and medical experts manage an extensive clinical network with laboratory capabilities for high quality, clinically-defined HBS collection, drug testing biomarker pre-clinical trials and diagnostics development. We have successfully completed over 4,000 projects for our clients, with an emphasis on precision medicine research.





"We are very satisfied. Cureline gave us the most reasonable price. The quality of the samples was excellent. There was very clear communication on the samples needed. The experience and expertise seemed to be excellent. We will be using Cureline services in the future. Thank you for your excellent service."

– Cureline Customer

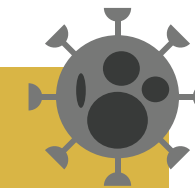
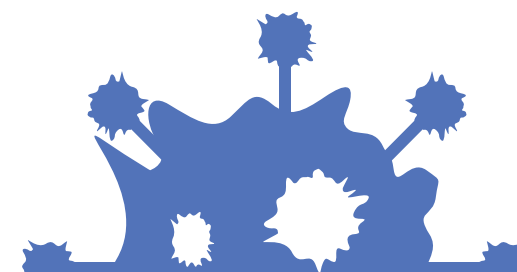
Biobanking and Human Biospecimens

Therapeutic areas

- Solid Tumor Oncology: major and orphan indications
- Oncology-Hematology: AML, CLL, MDS, MM and more
- Inflammatory diseases: asthma, RA, SLE and more
- Dermatology: acne, AD, HS, psoriasis and more
- Metabolic disorders: diabetes, obesity and more
- Cardiovascular diseases: ACS, MI, stroke and more
- Neurology: Alzheimer's disease, Parkinson's disease
- Predictive health: genetic diseases, Maternal and fetal-focused conditions
- Infectious diseases: AIDS/HIV, hepatitis, sepsis, tropical medicine
- Rare and orphan indications

Biospecimens, Formats and Products

- Tissues: both normal and pathologic (PM, surgical)
- Blood and derivatives: PBMC, plasma and serum
- Bone marrow: BMA, BMMC, trephine biopsy
- Biofluids: BAL, saliva, tears, urine and more
- Fresh biospecimens: blood, live cells and tissues
- Viable tissues: dissociated tumors, viable cells
- Fixed tissues: FFPE, PFPE, OCT, special preparations
- Frozen tissues: liquid nitrogen, low temperature (-80C) and other special protocols
- Molecular components: DNA, RNA, proteins
- FDA and EMEA cross-reactivity tissue panels
- Tissue MicroArray (TMA) and FFPE tissues
- Matching HBS sets: disease, normal, oncologic



Cureline Quality Management, Biobanking Standards and Achievements

Since 2003, Cureline distributes from 50,000 to 100,000 high-quality human biospecimens every year, with a guaranteed quality policy in place. Our Quality Management Program addresses all aspects of biorepository operations and ensures quality of HBS for clinical research, drug discovery, and personalized medicine following standards set by the College of American Pathologists (CAP) Biorepository Accreditation Program. Procurement protocols of Cureline accommodate the quality requirements of most research methods used in the drug discovery and development process.

Apart from fostering scientific collaboration between our clients and clinical sites, we continue to expand our business operations and accelerate overall company growth. We have improved operational capacities in Argentina and India as well as Serbia, and since 2019 our San Diego-based company, Cureline Molecular Services has been offering cellular and molecular biology services complementing our HBS biorepository and histology laboratory in San Francisco. In 2021, our clinical operations in the EU resulted in major research collaborations delving into unique metastatic tumor models and advanced therapy medicinal products, including gene and targeted therapies. Expansion into this fast-growing market aligns with our focus on making the Cureline Group an outstanding Global Translational CRO.

"It's always been about bringing the medicine and science together."

*"Cureline is making a difference in the lives of people.
This is why I like to work here."*

*"The potential for biotech is huge, and we have an opportunity
to create the future together."*

*"Time is money. At Cureline, we facilitate innovation and research by helping our
clients reach their goals in reasonable time while saving them precious resources."*

- Cureline Team

Laboratory Services: Biopathology and Molecular Services

Histopathology

- Antibody cross-reactivity screening (according to FDA and EMEA guidelines)
- Clinical trial tissue sample processing
- Design and preparation of TMA (FFPE)
- Frozen tissue services: OCT, slides and staining
- Immunohistochemistry (IHC) staining, Fluorescence In-situ Hybridization (FISH)
- High-definition scanning and image analysis
- Human and animal tissue processing
- Pathology reports for animal and human tissues
- Special fixation protocols: PFPE and others
- Special protocols development for IHCs
- Special stains for diagnostic procedures

Glycoproteomic Biomarkers

- Biomarker discovery: both human and animal biospecimens
- Biomarker panel validation
- Drug research and development collaborations/ Biopharmaceutical research

Molecular and Cellular Laboratory

- Antibody characterization and validation
- 3D tissue cultures and assays
- Cell-based assays: viability, proliferation, migration, invasion and others
- Dissociated Tumor Cell (DTC) isolation from human tumors and animal models: viable and frozen
- DNA/ RNA/ protein isolation from human and animal tissues: fresh, frozen, FFPE, OCT
- ELISA, protein lysate preparation and other custom protocols
- Individual cell type separation from whole blood: PBMC, lymphocytes, and others
- Molecular fingerprinting of HBS
- NGS (Illumina)
- PBMC/ BM MC isolation: normal donors and clinically-defined patients
- Primary culture preparation from blood, bone marrow and tumors
- Progenitor/ stem cell isolation from fresh human lipoaspirate
- Protein target expression and activation
- Other needs:
 - Consultations on appropriate biospecimen collection
 - Protocol development for custom biobanking and research protocols

Biomarker Services

The Cureline Biopathology Laboratory offers a complete portfolio of services related to human tissue research, which includes comprehensive tissue analysis, molecular analyses and digital pathology. Our team of highly-motivated experts is equipped with facilities dedicated to providing support for both academic and industrial research partners throughout all steps of tissue processing, target profiling, toxicology and cross-reactivity studies.

Cureline Molecular Services provides both fresh and fixed specimen processing and analysis, as well as cellular ex-vivo experimentation.

Our partnership with BioCryption Inc. has enabled our team to provide proteomic and glycoprotein analysis of human biospecimens using a proprietary protein chemistry technology platform since 2012. It provides clients with a unique opportunity to discover hidden biomarkers in human blood, biologic fluids and tissue specimens.