LABORATORY SERVICES
FOR TRANSLATIONAL AND PRECISION MEDICINE

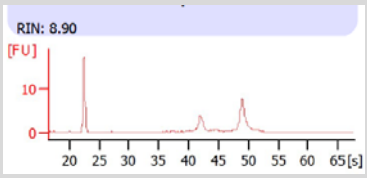
FULL SPECTRUM OF SERVICES IN BIOSPECIMEN RESEARCH:

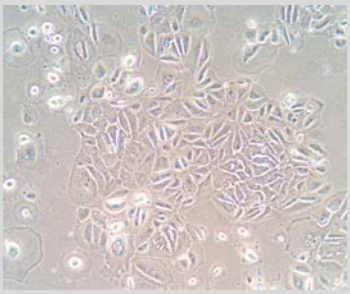
- **Human Biospecimens (HBS)**
- **DNA/RNA/Protein from biospecimens**
- **Tissue processing (human, animal)**
- **Molecular and Cell biology services**
- **Biomarker discovery and validation**
- **Primary cell isolation and separation**
- **Cell based assays, ELISA**
- **Antibody characterization**
- **Human sample validation studies**

CURELINE MOLECULAR SERVICES (CMS) is a research laboratory located in California (USA) with an emphasis on nucleic acids, protein and cell assay services. We provide high-quality scientific assistance to academic institutions and biopharmaceutical research community addressing our clients' needs in molecular and cell biology services for their translational science and precision medicine programs.

Cureline Molecular Services (CMS) is a newly established division of Cureline, a recognized global leader in human biospecimen biobanking and translational medicine, offering since 2003 a comprehensive portfolio of tissue research services. As a part of Cureline Group, CMS provides access to biospecimen acquisition, translational histopathology, human and animal tissue management, manipulations with biofluid cellular fractions and tissue components (cells, DNA, RNA, proteins), comprehensive molecular analyses (proteomics, glycoproteomics, genomics) and cell based assays.

Our team provides consulting and services to our clients' biomarker and drug discovery programs and brings to you a broad clinical and scientific expertise:





- Consulting on biospecimen selection for your project
- Custom biobanking protocol development
- Custom research protocol development
- DNA/RNA/protein isolation from human and animal tissues (fresh, frozen, FFPE, OCT)
- PBMC/BMMC isolation (normal donors and clinically-defined patients)
- Biomarker discovery and validation (Proteomics, Genomics, Glycoproteomics)
- Dissociated Tumor Cells (DTCs) isolation from human tumors and animal models (viable and frozen)
- Cell types separation from whole blood (human, animal)
    - total peripheral blood mononuclear cells (PBMC)
    - lymphocytes (T cells, B cells, NK cells)
    - monocytes, macrophages, myeloid cells, granulocytes, erythrocytes, platelets and other types
- Stem/progenitor cells isolation from fresh human lipoaspirate
- Cell-based assays (cell viability, proliferation, migration, invasion, immuno-oncology assays, etc.)
- 3D tissue culture and assays (including 3D-histoculture)
- ELISA, custom protocols
- Antibody characterization and validation

Cureline Molecular Services: 3030 Bunker Hill Str., Ste 306 – San Diego, CA 92109
Direct 415.609.7035 Laboratory 619.855.0171

Cureline HQ/ Tissue Bank: 150 N. Hill Dr., Ste 24 – Brisbane, CA 94005
Phone 415.468.6400 Fax 650.692.6484