



Rheumatoid Arthritis



Cureline

Quality. Expertise. Value.

Rheumatoid Arthritis (RA) is one of the mostly studied indications in the therapeutic area of Inflammatory Diseases. Synovial tissue and fluid from hand/elbow and knee/hip joints of patients in various stages of RA are desired for investigation of potential target activation throughout the course of the disease. These specimens are used in drug discovery, preclinical research, drug safety evaluation, biomarker development, and pre-selection of indication for clinical trials.

Cureline offers consulting on design and implementation of studies utilizing synovial tissue and fluid and a full range of related services including:

- Collection of snap-frozen synovial tissue
- Target expression and activation profiling using IHC
- Collection of synovial fluid
- Primary cell culture from synovial fluid cells
- Collection of matching blood, serum, plasma
- RNA isolation
- DNA isolation and SNP analysis
- Protein lysates

Examples of Recent Projects

Immediately snap-frozen samples:

obtaining of synovial fluid, synovial tissue (biopsy or surgical material) and urine samples from RA and normal control patients.

All samples are snap-frozen within 2 minutes after procurement.

Specimens from patients with differential treatments:

preparation of snap-frozen and paraffin-embedded synovial tissue, frozen synovial fluid and RNA-ready blood from RA patients with differential treatments (anti-TNF α medications vs others).

Primary cell culture from synovial fluid:

preparation of viable cells from synovial fluid of primary or recently diagnosed RA patients with no currently taken anti-inflammatory medications.