

## Sample Prep - DNA / RNA Isolation

Experience in microRNA, mRNA and DNA Isolation from:

- » FFPE Tissues as blocks, slices, or slides
- » PAXgene® and Tempus blood tubes
- » Biofluids such as saliva and plasma
- » Tissue culture
- » OCT-embedded tissues
- » Fresh Tissue
- » RNARetain™ / RNALater® preserved tissues

## Nucleic Acid Analysis

Leading Platforms:

- » **microRNA**
  - ABI TaqMan® qRT-PCR assays
  - ABI TaqMan qRT-PCR absolute quantitation
  - Affymetrix / Ambion DiscovArray™ Expression Service
  - Agilent miRNA microarrays
- » **mRNA**
  - ABI TaqMan® qRT-PCR
  - Affymetrix
    - GeneChip® 3' expression arrays
    - Gene 1.0 ST
    - Exon 1.0 ST Arrays
  - Illumina
    - Expression BeadArrays
    - DASL
    - HT-12
- » **DNA**
  - Affymetrix Whole Genome SNP 6.0
  - Agilent aCGH
- » **Assay Development and Validation**

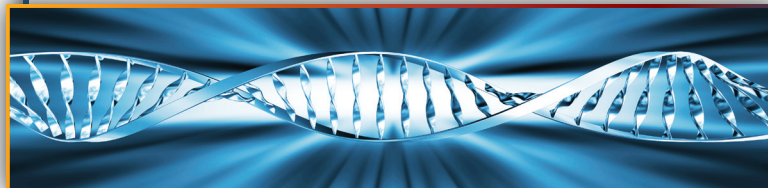
## Data Analysis and Bioinformatics

- » **miRInform™**

Asuragen developed data delivery system for microRNA array data

  - Affymetrix/Ambion
  - Agilent
- » **Biomarker Discovery**
  - Feature Selection
  - Classifier Construction and Validation
- » **Standard and Standard Service Premium data packages for:**
  - Affymetrix GeneChips
  - Illumina Expression BeadArrays
- » **Consultation / Design Planning**
- » **Statistical Analysis**
- » **Pathway Analysis**
- » **Diagnostic Assay Characterization**

## Integrated Services for microRNA, mRNA and DNA



Asuragen provides outsourced laboratory services built on years of RNA and DNA knowledge and experience. Our capabilities accelerate drug development studies as well as research and discovery efforts enabling our clients to focus on their science and critical research activities.

Unique in the industry, Asuragen offers a wide range of services for quantification and data analysis of microRNA, mRNA and DNA with sample prep services for FFPE, fresh tissues, blood, other biofluids, and cells. Asuragen is a fully licensed service provider for platforms from Agilent, Illumina®, Applied Biosystems, and Ambion®. No other service provider has the industry-leading platforms combined with so many cumulative years of experience in RNA and DNA.

We also assist our clients with experimental design and planning. Clients can use any of our service categories - sample prep, profiling, or data analysis, but we offer maximal value when we can take on a project from isolation to data analysis. Extensive QC methods in each process provide assurance that clients will receive the best data possible from their project.

Asuragen has a proven track record in providing cGLP / CLIA services suitable for clinical testing for top pharmaceutical and biotech customers.

Please visit our website frequently for new services.

[www.asuragen.com](http://www.asuragen.com)

**Asuragen®**

Contact Asuragen to learn more.