



The MOST COMPLETE miRNA Expression Service



The DiscovArray miRNA Expression Service offers the most content available on any miRNA profiling platform, allowing you to interrogate a dramatically larger number of putative miRNAs. Asuragen's DiscovArray miRNA Expression Service utilizes an Ambion array, manufactured by Affymetrix.

The MOST Content Available On Any Platform

- Validated and exploratory content totaling > 13,000 candidate miRNAs from various sources[†]
- Includes other sources of candidate miRNAs to discover novel expression patterns

miRNA	Human	Rat	Mouse
Sanger miRBase V9.2 content	475 probes	234 probes	377 probes
DiscovArray content	467 probes	234 probes	293 probes
DiscovArray % of Sanger V9.2	98.3%	100.0%	77.7%
Exploratory content	12,894 probes	Homology likely	
Total probes	13,349 probes		

DiscovArray miRNA Expression Service Includes:

- Fractionation of mature miRNAs
- Sample processing and labeling
- Array hybridization and scanning
- Data normalization
- Statistical analysis

Total RNA Isolation For Downstream DiscovArray Analysis Is Also Available For:

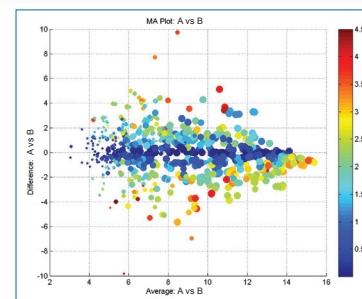
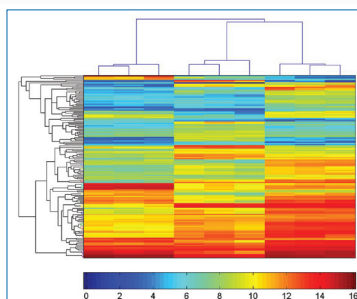
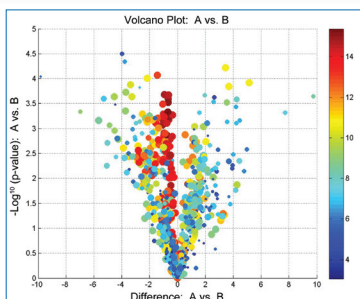
- FFPE samples (blocks, sections, and unstained slides)
- Cell lines
- Fresh frozen or RNALater® solution-preserved tissue samples
- PAXGene® system collected blood samples

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The MOST Powerful miRNA Data Analysis Package

Understand your data within minutes with the miRInform data delivery system

- Presents experimental findings in a format ready for immediate review
- Designed to provide you with an optimal means to understand and manipulate the large volume of data generated
- Fast, cost-effective analysis for a wide range of experimental designs
- Publication ready figures



The MOST EXPERIENCED miRNA Research Services Partner

Understand your data within minutes with the miRInform data delivery system

- PhD level scientists guide you through your results or assist with experimental design and technical planning of your next step
- Receive actionable results from your data
- Explore potential downstream effects with miRIAD™, Asuragen's online database for mRNA target prediction

Isolation Services

CA0008	Isolation	Total RNA from FFPE
CA0009	Isolation	Total RNA from fresh tissue

DiscovArray miRNA Expression Service

CA0010	QC, Nanodrop and Bioanalyzer, Total RNA, for Arrays
CA0039	Target Preparation, Affymetrix, Isolate miRNA from Total RNA
CA0040	Target Preparation, miRNA, Affymetrix DiscovArray
CA0044	Array, Array Processing and Scanning, Affymetrix DiscovArray Process

TaqMan qRT-PCR Services

CA0028	qRT-PCR, TaqMan, miRNA Set of 50 Data Points
CA0029	qRT-PCR, TaqMan, microRNA Panel 1.0 TaqMan Assays (250 assays)

Bioinformatics/Data Analysis Services

CS0010	Data Analysis, Custom
CS0020	miRInform™, Data Delivery System for DiscovArray miRNA Expression Service

† References:

1. Griffiths-Jones S, Grocock RJ, van Dongen S, Bateman A, Enright AJ. miRBase: miRNA sequences, targets and gene nomenclature. *Nucleic Acids Res.* 2006, 34, D140-D144.
2. Cummins, *Proc Natl Acad Sci USA* 103(10):3687-92, 2006);
3. Xie, *Nature* 434(7031):338-45, 2005);
4. Berezikov, *Cell* 120(1):21-4, 2005);
5. Bentwich, *Nat Genet.* 2005 Jul;37(7):766-70 (method for miRNA predictions).

Contact Asuragen to learn more.