

Sequencing

Combining Sanger sequencing with a complete portfolio of next-generation DNA sequencing technologies, we can support your research with traditional, next-gen and hybrid DNA sequencing solutions. Cross platform proficiencies give you the flexibility of experimental design required to meet the objectives of a wide range of projects—irrespective of scale.

- ABI 3730xl DNA Analyzer
- ABI SOLiD*
- Illumina* Genome Analyzer II
- Roche 454 Genome Sequencer FLX System*
- *De novo* and resequencing of whole genomes
- BAC insert and end sequencing
- SNP discovery and resequencing
- Small RNA and Digital Gene Expression tag sequencing
- cDNA library sequencing
- Metagenomic sequencing
- GLP/cGMP sequencing
- Cancer Gene sequencing
- Drug Induced Long QT gene sequencing
- Bioinformatics support

Gene Expression Profiling

For profiling across multiple platforms, we have a suite of gene expression tools. Our experienced team of molecular and computational biologists enables you to fully incorporate transcript profiling into target prioritization and validation, lead screening, toxicity profiling, mechanism of action and pre-clinical/clinical studies.

- Affymetrix* Authorized Service Provider
- Agilent Certified Service Provider
- miRNA microarrays
- Custom microarray design
- RT-qPCR

Genotyping

A broad offering of high-quality clinical genotyping services helps you understand differences in drug metabolism, transport and drug action; and to improve safety and efficacy in clinical development and routine drug therapy. We also use multiple platforms in support of genome-wide association, chromosome copy number, linkage analyses and population genetic studies.

- Affymetrix* Human Genome Arrays
- Illumina* iScan System
- Agilent array CGH
- Sequenom MassARRAY*
- ABI 7900HT
- Invader* UGT1A1
- Roche LightCycler*
- Pain Research Panel
- Affymetrix* DMET

Biologics Testing

Evaluating the identity, stability, purity and safety of biological products is critical during development and biomanufacturing. To provide you with the best solutions, we use a broad range of molecular biology techniques including qPCR, sequencing, Southern blot, northern blot and microbiological applications.

- Cell bank characterization
- Residual DNA analysis
- Biodistribution and integration studies
- Diagnostic kit/device validation
- Viral and bacterial detection and differentiation
- Lot release testing
- Customized qPCR services

Sample Management

When you need nucleic acid extraction and purification services to generate high-quality DNA and RNA samples, we provide unmatched expertise. Our biorepository supports archiving, maintenance, retrieval, aliquoting and redistribution of client DNA, RNA, biofluids and FTA cards.

- DNA and RNA extraction
- Formalin fixed paraffin-embedded samples
- Patient collection kits
- Biobanking

We Get It.

www.beckmangenomics.com

United States: Danvers, Massachusetts: +1 978 867 2600
1 800 361 7780 (toll free in the US and Canada)

Morrisville, North Carolina: +1 919 379 5463
1 877 226 4364 (toll free in the US and Canada)

United Kingdom: +44 (0) 1279 873837

France: +33 (0) 4 38 88 47 30

Germany : +49 (0) 8158 9985 0

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