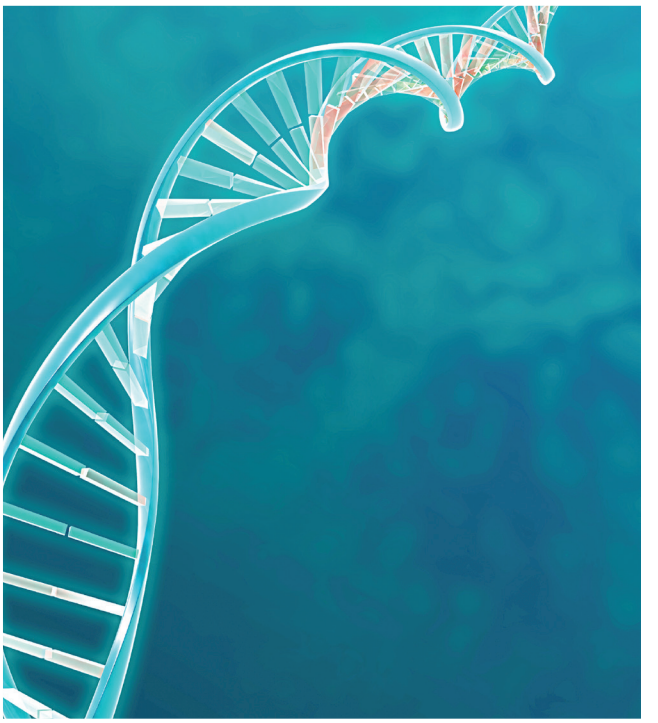
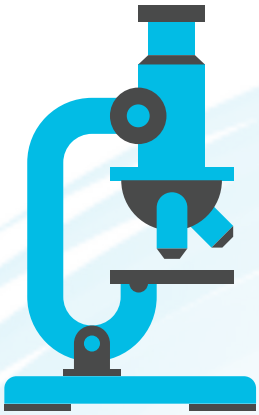
eurofins | Genomics



NEXT GENERATION SEQUENCING

High throughput sequencing powered by Innovation and Expertise

EMPOWERING our customers is our mission.

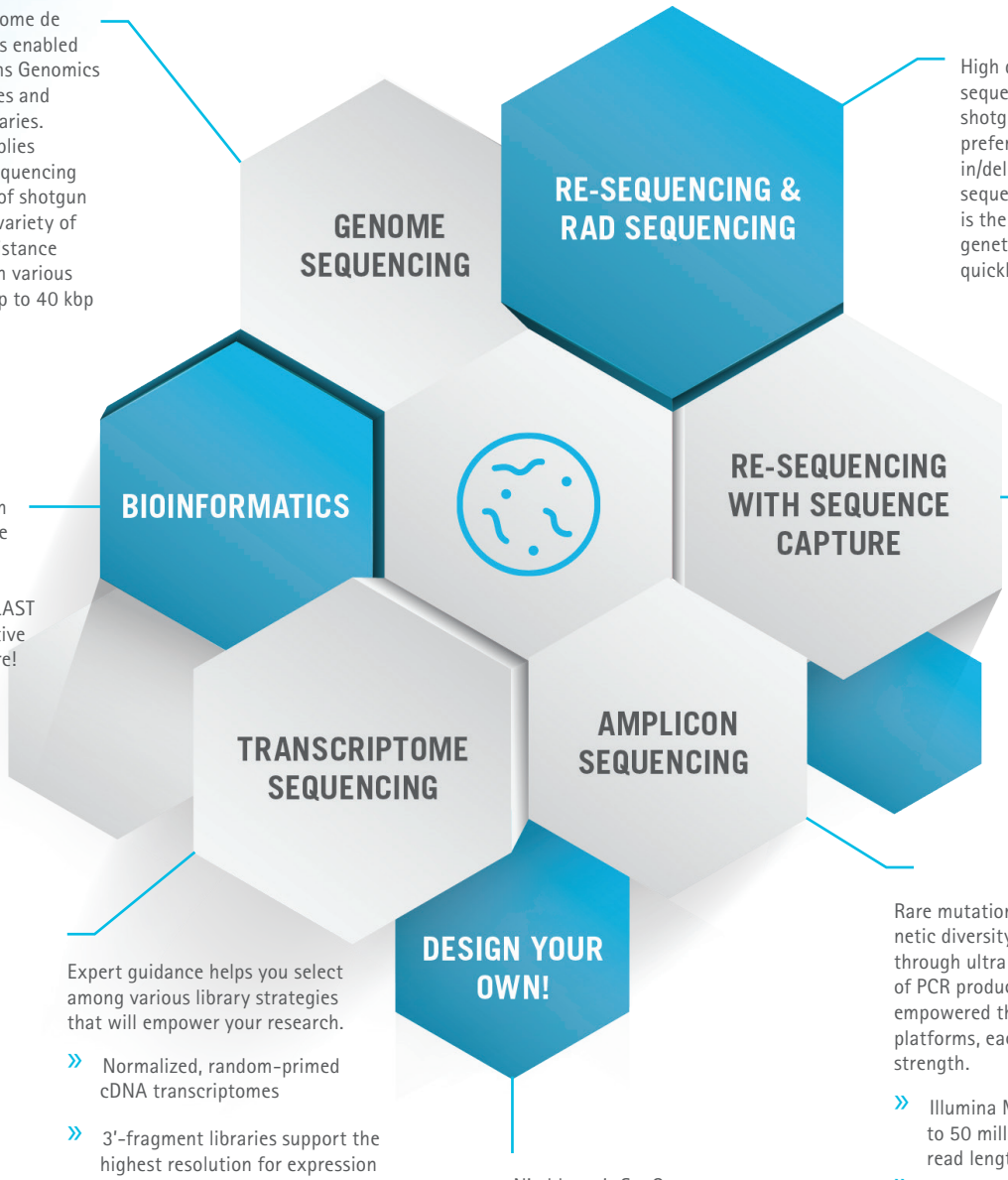


NEXT GENERATION SEQUENCING: INNOVATION & EXPERTISE

Since 2006, Eurofins Genomics has offered the latest advances in next generation sequencing. Empower your research with PacBio, Illumina, and Roche NGS sequencing platforms. Advanced NGS library prep for standard, enriched or selected libraries, expression profiling libraries, LJD or LPE libraries and other advanced techniques power our high-quality NGS results. Our experience in next generation sequencing project design, expert strategies, and proprietary library techniques enable your research goals.

APPLICATION	HISEQ 2500	MISEQ	PACBIO RS II	GS FLX++	GS JR.	ION PROTON
De Novo Sequencing Small (ie. bacteria, archaea, fungi)	√√	√√√	√√	√√√		
De Novo Sequencing Large	√√√		√	√		
De Novo Transcriptome Sequencing	√√	√√√		√√√		√
Expression Profiling	√√√	√				
Exome Sequencing	√√√	√√				√√
Ultra-Deep Amplicon Sequencing	√	√√√		√√√	√√√	√√
Genome Resequencing	√√√	√√√				

FULL SERVICE EMPOWERS ALL YOUR SEQUENCING NEEDS



Top quality genome de novo assemblies enabled through Eurofins Genomics expert strategies and proprietary libraries. De novo assemblies benefit from sequencing a combination of shotgun libraries and a variety of long jumping distance (LJD) libraries in various sizes from 3 kbp to 40 kbp jump distance.

High data output Illumina sequencing with one or more shotgun libraries is often the preferred solution to catalog SNP, in/del and other variation. RAD sequencing is also available and is the newest technology to score genetic variation in any species quickly and reliably.

Empower your team with comprehensive analysis services including assembly and annotation, BLAST analyses, comparative genomics, and more!

Target specific exome areas using state-of-the-art exome designs:

- Agilent / NimbleGen exome capture followed by sequencing on the Illumina HiSeq 2500
- Ion AmpliSeq exome capture with subse quent sequencing on the Ion Proton

Expert guidance helps you select among various library strategies that will empower your research.

- Normalized, random-primed cDNA transcriptomes
- 3'-fragment libraries support the highest resolution for expression profiling studies
- Other library types include mR NA-seq, strand-specific mRNA-seq, 5'-fragment libraries, among others
- Short insert cDNA library empowers excellent resolution for small RNA-seq projects

Nimblegen's SeqCap protocol enables flexibil- ity and an easy-to-scale workflow to enable capture for small or large numbers of samples.

Rare mutations and phyloge- netic diversity are revealed through ultra deep sequencing of PCR products. Projects are empowered through two unique platforms, each with its own strength.

- Illumina MiSeq allows up to 50 million reads with read length up to 300 bp
- GS FLX++ when your project needs extended read lengths (up to 1000 bp)

GLOBAL NETWORK

Over 600 experts and scientists in multiple facilities around the world, provide a rich scientific environment and resources beyond a single oligo order that we bring in support of your research needs.

TECHNICAL EXPERTISE

Our Technical Support Team employs our combined knowledge in support of your research questions. The Eurofins Genomics IT team works to bring integrated tools to your desktop and mobile devices to enable smooth calculations, expert design, and application optimization.

PRODUCTION FLEXIBILITY & CUSTOMER ORIENTED SERVICE

Our aim is to surpass your expectations, and in doing so, accelerating your research or production needs. Contact our Customer Service experts and we'll provide the molecules and/or formats you require.

QUALITY ASSURANCE

Our supply, process, product and performance standards are reinforced by quality process certifications, including ISO 9001: 2001, ISO 13485: 2008 and registration FDA 3009882691. These globally recognized quality standards provide our researchers an exceptional level of confidence and trust in our products.

ISO 9001 CERTIFIED 2008

ISO 13485 CERTIFIED 2003

FDA 3009882691

Approved for the manufacture of ASRs for use in IVD products.

eurofins | Genomics

Eurofins Genomics, a member of the Eurofins Group with major offices and production facilities in the United States, Europe, and Asia, is an international provider of DNA sequencing services, DNA synthesis products, and bioinformatic services empowering academic and industrial research. The company's strengths are its strong customer orientation, fast service, and high quality products including a series of advanced oligonucleotide design tools.

QUESTIONS & CONTACT

(800) 688-2248

NGSsupport@eurofins.com

www.operon.com
www.eurofinsgenomics.com

1F135-1 Eurofins MWG Operon LLC. A Eurofins Genomics Company.