

Thinking of switching to a new NGS Partner? Empower Your LDT Clinical Lab with Celemics

Company Overview



Celemics is dedicated to supplying NGS service providers with the highest performance NGS target enrichment panels in the market. We provide value by allowing labs to lower their internal NGS costs and by giving a fully flexible solution according to the lab's needs. Although Celemics has pre-set panels for a many different applications, our main specialty is our ability to design and create customized panels, allowing labs to have full control of their NGS services portfolio and venture into business areas they were once not able to.

Why Set your NGS LDTs with Celemics?



Reduce your Internal Sequencing Costs

Celemics has a proprietary probe synthesis technology that allows for enhanced probe-target binding specificity, providing higher sensitivity of mutation detection, thus reducing NGS sequencing costs.



Full Support from Celemics

Utilize our team of NGS experts who will assist in every step of the way. From product portfolio consultation, answering technical inquiries, protocol training, experimental assistance and troubleshooting. Celemics will always prioritize supporting our partners.



Customizable Solution

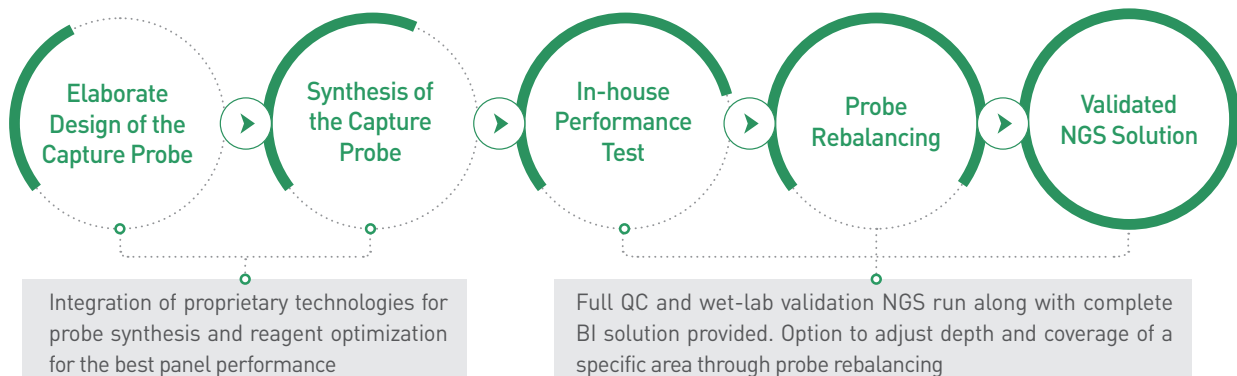
Celemics has 10+ years in customizing and tailoring each NGS panel according to our customers' exact specifications. Consult with one of our scientists and tell us about your specific gene list or desired variants that you want analyzed. We empower labs by creating their desired LDTs according to their needs.



Custom Panel Performance Transparency

NGS reagent suppliers such as Illumina, Twist or IDT operate on a "You get what you get" basis when it comes to customized panels. Celemics offers pre-performance validation in which we will test the performance of our probes to ensure sufficient capture coverage and uniformity of your target regions. This pre-performance validation data will be sent to you for final approval. This allows for our customers to know exactly what kind of panel they will be receiving, even before the shipment of the final panel.

Process for Performance Validation



Product Information

Whole Exome Panel

Ultimate exonic coverage; industry-leading performance and sequencing efficiency accompanied by complete BI solution

Somatic Cancer Panel

Comprehensive NGS panels for identifying and characterizing the molecular fingerprint for solid tumors with market-leading sensitivity

Clinical Exome Panel

Extensive detection of clinically significant variants for diverse genetic diseases

Customized Panel

Customization to the Next Level; NGS panel customization and assay optimization

Other pre-set Panel

Highly optimized NGS target enrichment panels readily available for various applications

Product Configuration

Library Preparation Kit

- Standard Library Preparation Kit
- EP Library Preparation Kit

Target Enrichment Kit

- Standard Hybridization Kit
- Enhanced Hybridization Kit

Modular Accessories

- Double-stranded cDNA Synthesis Kit
- CeleMag™ Bead
 - Clean-up
 - Streptavidin
 - Normalization
- CLM Polymerase

Bioinformatics Solution

- Celemics Analysis Service (CAS)
- Virus Verifier
- Customized Analytics Tool

Applicable Sample Types



DNA/RNA for Germline & Somatic



DNA/RNA from FFPE, cfDNA



Viral DNA/RNA

Applications



Oncology Diagnostics



Liquid Biopsy



Inherited Diseases



Cancer Research



Virus Research



Agrigenomics

Compatible with all NGS instruments from Illumina, Thermo Fisher Scientific and MGI

References

- <https://www.celeemics.com/resources/publications/>
- <https://www.celeemics.com/company/about-us/>



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