

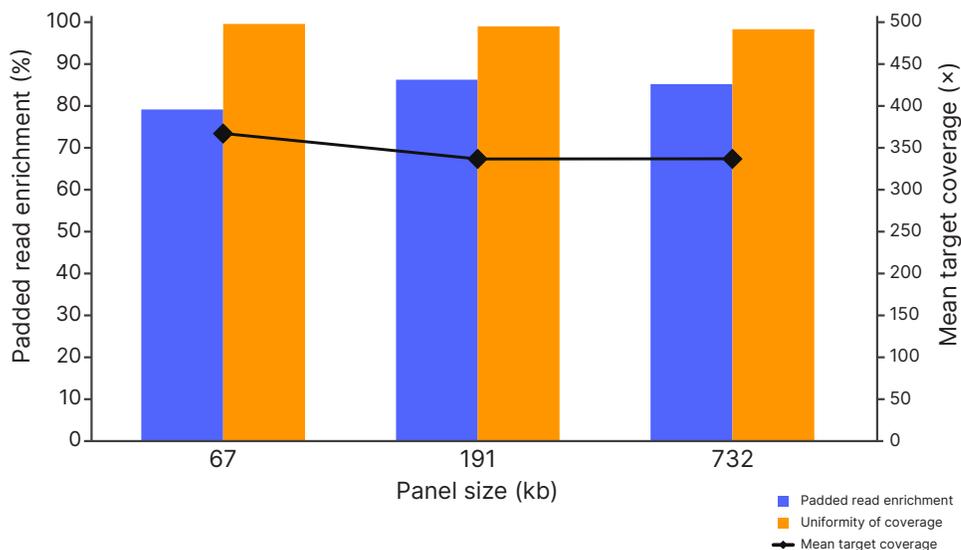
# Easy-to-design, high-performance custom targeted enrichment panel

## Illumina Custom Enrichment Panel v2

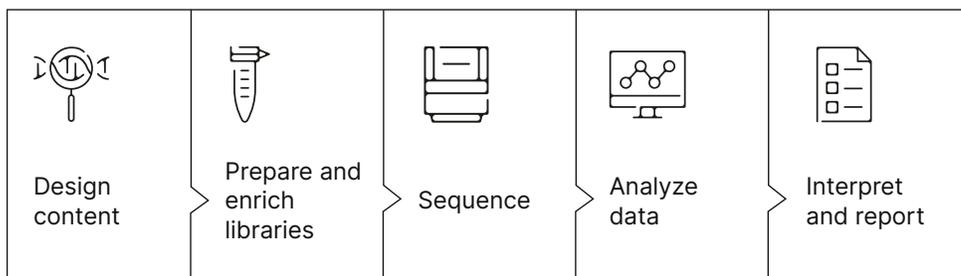
Access deeper coverage of genome regions of interest with personalized content for your targeted sequencing studies with Illumina Custom Enrichment Panel v2.

Create complete custom panels or spike-in panels to add coverage to exome or other fixed content panels. The custom panel format uses 120-bp, double-stranded probes that provide high on-target enrichment and uniform coverage for high-quality data.

**Illumina Custom Enrichment Panel v2 with Illumina DNA Prep with Enrichment offers high on-target enrichment and coverage uniformity**



**Illumina Custom Enrichment Panel v2 is part of a streamlined, end-to-end targeted sequencing workflow from a single vendor**



### Common research areas for custom enrichment panel applications



Cancer research



Genetic disease research



Microbial genomics



Population genetics



Agrigenomics



Pharmacogenomics

# High-quality, reliable performance

- **High on-target enrichment**

Uniform coverage across target regions enables detection of low-frequency variants

- **Consistent quality and resynthesis**

Made-to-order panels are sequence-confirmed by NGS to contain  $\geq 99.9\%$  of the designed probe sequences; 3-year shelf life

- **Optimized compatibility**

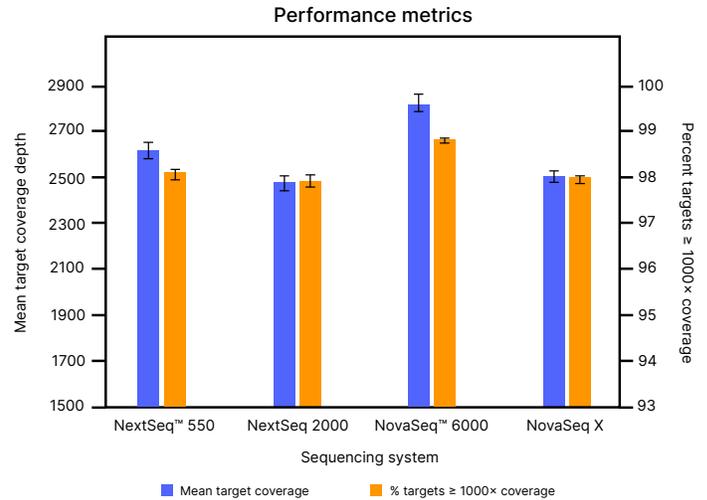
Custom panels work for multiple enrichment workflows with these targeted sequencing kits:

- [Illumina DNA Prep with Enrichment](#)
- [Illumina Cell-Free DNA Prep with Enrichment](#)
- [Illumina DNA Prep with Exome 2.5 Enrichment](#)
- [Illumina Complete Long Reads with Enrichment](#)

- **Efficient workflow**

Streamlined process reduces hands-on time and overall assay time for faster results

## High-quality performance across Illumina sequencing systems with Illumina Custom Enrichment Panel v2 and Illumina Cell-Free DNA Prep with Enrichment



# Fast and flexible panel design

- **Simplified design**

Use our free, easy-to-use, online DesignStudio™ tool that provides robust design algorithms and dynamic feedback to optimize coverage; access the tool via your account on [myillumina.com](https://myillumina.com)

- **Scalable solution**

Design panels from 100 to 1M probes; order 32  $\mu$ l, or larger volumes for automated library prep workflows

- **Trusted expertise**

Get support with challenging or nonhuman panel designs from the Illumina Concierge design team

- **Fast delivery**

Receive your customized panel in as few as three weeks\*

\* Within the continental US, international shipping time not included. Order turnaround time varies with scale, complexity, and panel size. Ask your Illumina sales representative for details.

Learn more →

[Illumina Custom Enrichment Panel v2](#)



Product	Catalog no.
Illumina Custom Enrichment Panel v2 (32 $\mu$ l, 120-bp)	20073953
Illumina Custom Enrichment Panel v2 (384 $\mu$ l, 120-bp)	20073952
Illumina Custom Enrichment Panel v2 (1536 $\mu$ l, 120-bp)	20111339