

Twist Custom Panel Solutions: Decision Guide

Find the right product for your needs and plan your experiments

For Research Use Only. Not intended for use in diagnostic procedures.

At Twist Bioscience, our goal is to provide researchers with the highest quality NGS products by harnessing our innovative silicon-based manufacturing platform for oligonucleotide synthesis. Regardless of your targets of interest, Twist's custom NGS panels are designed and built to cover a wide range of panel sizes, target regions, and multiplexing requirements — all with exceptional and consistent performance.

We know that the scope and speed of your work can change, so our NGS custom panel solutions have been designed to evolve with your needs. Now, your options are broader than ever, with Twist's Custom Panels and Twist's MRD Rapid 500 Panels. Choose greater flexibility in panel size and content with the Twist Custom Panels or unmatched speed with Twist's MRD Rapid 500 Panels. Both product offerings are manufactured with the same robust synthesis process and quality-controlled for exceptional performance.

DON'T SETTLE FOR LESS IN TARGETED SEQUENCING.

Get in touch at sales@twistbioscience.com or learn more at twistbioscience.com/products/ngs

DECISION GUIDE

	TWIST CUSTOM PANELS	TWIST MRD RAPID 500 PANELS
Panel size (probe count)	500 to millions	50–500
Probe type	Choice of 80 bp or 120 bp	120 bp
Order volume	As little as 1 panel	10 panels per month
Plex	Up to 8 samples per reaction	1 sample per reaction
Number of reactions	Choice from 12 – unlimited	12
Supported variant types	SNVs, indels, CNV, fusions	SNVs, indels
Genome	Any species	hg19, hg38
Probe concentration	Customizable	Fixed at 0.3 fmol/rxn
Input type	Targets, probes, genelists	Targets
Design strategy	Complete Twist design pipeline, including modifiable probe placement schemes, design iterations/optimizations, and white glove bioinformatics service	Twist touchless design pipeline with centered probes and binary filtering option; no design iteration
QC Method	NGS probe representation confirmation	qPCR probe pool identity confirmation
Protocol compatibility	Twist Standard Hyb v2, Twist Fast Hyb	Twist MRD Hyb
Total list price	As low as \$2995*	\$990
Turnaround Time	3–4 weeks	In as little as 6 business days†
Bioinformatic Support	Twist custom panels include data analysis and panel optimization	Bioinformatic support not included

*List price for 500 probes and 12 rxn

† Once you've reviewed and approved your completed design file

TWIST CUSTOM PANEL ADVANTAGE

Twist's knowledgeable team of bioinformaticians are available to discuss the goals of your project prior to designing your custom panel. Custom panels offer our industry-leading support to help you define your regions of interest and apply novel design strategies to capture specific genomic events. After generating data from your pilot custom panel, Twist's team of bioinformaticians can analyze a representative subset of your data to further optimize probe placement and improve sequencing efficiency and reduce off-target.

Whether you need to cover 50 or one million targets, we're ready for your order.

Twist Custom Panels are a component of the Twist portfolio of products for NGS Target Enrichment. Learn more at twistbioscience.com/products/ngs.

ORDERING INFORMATION

Simply contact Twist Bioscience at sales@twistbioscience.com for more information.