



More reads isn't the answer

Detect more genes, identify critical fusions, and cut sequencing costs with Twist RNA Exome — engineered for smarter enrichment.

>80%

Reads on-target
(vs ~60% competitor)

40%

Less sequencing cost
vs. Whole Transcriptome

2.4x

Enrichment on
FFPE samples

Why Twist RNA Exome outperforms whole transcriptome sequencing

EFFICIENCY	PERFORMANCE	PRECISION
<p>Detect more with less</p> <ul style="list-style-type: none"> Whole transcriptomic sequencing detects ~15,000 genes from 10M reads, RNA exome detects just as many genes with only 6M reads. ~80% of unique on-target reads vs. ~60% from leading competitors' transcriptome enrichment. This translates to 40% fewer sequencing reads needed for equivalent data — a direct cost saving per run. <p>Same data. 40% lower sequencing cost.</p>	<p>Exceptional on FFPE samples</p> <ul style="list-style-type: none"> FFPE samples show >2.4x enrichment with RNA Exome vs. 1.0x baseline for whole transcriptome. Twist RNA Library Prep includes an optional FFPE repair module to boost RT to first-strand yield. Recover data from precious degraded samples critical in clinical research and translational oncology workflows. <p>The same data you need, 2x better on your worst samples.</p>	<p>Find fusions others miss</p> <ul style="list-style-type: none"> “Exon-Aware” design positions probes within exons — not across junctions — enabling capture of both known and novel gene fusions. RNA Exome delivers more fusion-supporting reads than whole transcriptome with the same number of total reads. Can detect fusions in FFPE even at low input down to 1 ng. <p>Enhance fusion detection from challenging low input samples.</p>

	ON-TARGET READS	GENES DETECTED	FFPE ENRICHMENT	READS NEEDED	FUSION DETECTION
WTS	~35% on CDS with the remainder lost to rRNA, intronic & intergenic sequence	Requires 10M reads for same gene coverage	1.0x	25M	Limited
RNA EXOME	~80% of reads on coding sequences	Equivalent gene detection at 6M reads	>2.4x	15M	Superior

Source: Twist Bioscience internal data

Learn more at [twistbioscience.com/ngs](https://www.twistbioscience.com/ngs) or contact us at sales@twistbioscience.com

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