Go further with every RNA sample

Accelerate from RNA to insight with Integrated DNA Technologies (IDT)

Simplify RNA-Seq
Streamlined library preparation helps reduce complexity.

Support diverse samples
Choose the workflow that fits your needs from routine, to limited, or precious RNA samples.

Focus on what matters
Focus on transcripts of interest with compatible mRNA enrichment or hybridization capture.

Scale with confidence
Flexible indexing, normalization, and xGen™ capture support study growth.

A connected path from RNA to insight

The xGen™ transcriptomics portfolio from Integrated DNA Technologies (IDT) provides a flexible, connected path from diverse RNA samples to sequencing-ready libraries and meaningful transcriptomic insights. Adaptase™ technology simplifies stranded RNA-seq library preparation by enabling library construction directly from first-strand cDNA, supporting efficient workflows across routine, limited, and precious RNA samples.

- **Streamlined RNA-seq workflows:** Reduce complexity and accelerate RNA library preparation.
- **Support a broad range of inputs:** Support inputs from 10 ng to 1 µg total RNA or 100 pg to 100 ng mRNA, including limited, variable, or precious samples.
- **Focus sequencing on relevant transcripts:** Enrich poly(A)-tailed transcripts with the xGen mRNA Enrichment Module to direct sequencing capacity for gene expression analysis.
- **Extend from discovery to targeted RNA sequencing:** Compatible xGen hybridization capture enables focused transcript, gene, and pathway analysis.

Flexible RNA workflows for diverse samples and research goals

Choose the xGen stranded RNA library preparation workflow that matches your input, sample availability, and study goals.

Research need	Recommended solution	Best suited for	Role in the workflow	Key benefit/ specification
Routine RNA-seq	xGen™ RNA Library Prep Kit	High-quality RNA and routine studies	Stranded RNA library preparation	100 ng–1 µg total RNA; results in as little as 3.5 hours
Variable or low RNA input	xGen Broad-Range RNA Library Prep Kit	Limited, variable, or precious RNA samples	Broad-range stranded RNA library preparation	10 ng–1 µg total RNA or 100 pg–100 ng mRNA; 4.5-hour workflow
mRNA-focused gene expression	xGen mRNA Enrichment Module	Poly(A)-tailed transcript analysis	Optional pre-library poly(A) enrichment	10 ng to 1 µg total RNA; 1.25 hours turnaround time. <1% residual rRNA
Targeted transcript or exome analysis	xGen hybridization capture reagents and panels	Focused analysis of selected transcript content	Optional post-library target enrichment	Predesigned hybridization panels or customize your design
High-throughput multiplexing	xGen indexing and Normalase™ technology	Multiplexed RNA-seq studies	Indexing, normalization, balancing, and pooling	Unique dual indexing up to 1536

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

Performance data

The xGen mRNA Enrichment Module makes the most of your sequencing resources, delivering strong library yields and gene detection while minimizing the amount of rRNA remaining in the samples.

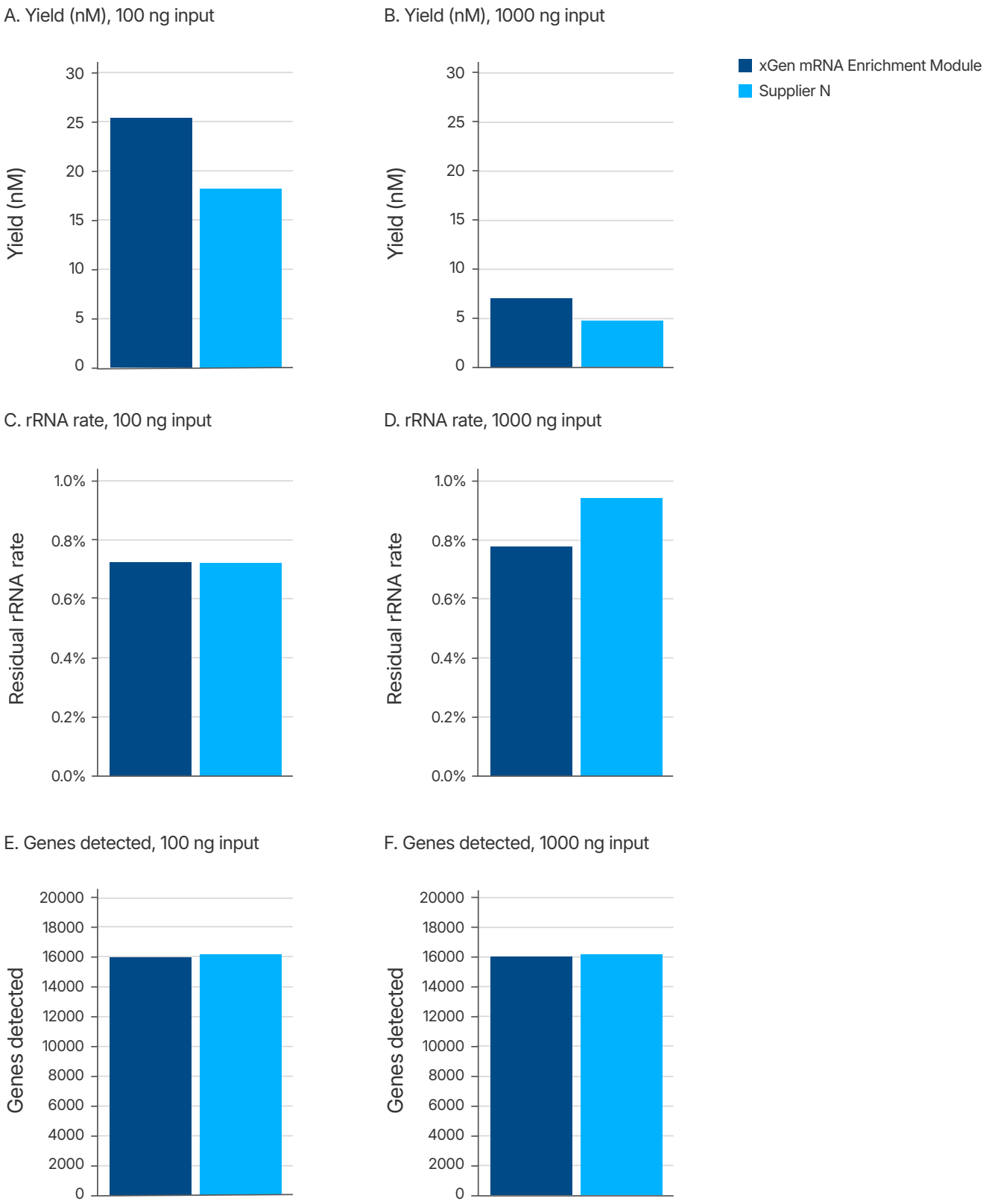


Figure 1. Comprehensive transcriptome coverage you can trust. The xGen mRNA Enrichment Module maximizes usable sequencing data delivering higher library yields and cleaner reads with less residual rRNA than Supplier N, while preserving strand specificity and reliably detecting a broad range of genes and transcripts. The result is more high-quality, cost-efficient data from every sample, so you capture the biology that matters with less wasted sequencing.

Ordering information

Product	Size	Catalog #
xGen RNA Library Prep with mRNA Enrichment Module		
xGen RNA Library Prep	16 rxn	10009866
xGen mRNA Enrichment Module*		10017545
xGen RNA Library Prep	96 rxn	10009814
xGen mRNA Enrichment Module*		10017546
xGen Broad-Range RNA Library Prep with mRNA Enrichment Module		
xGen Broad-Range RNA Library Prep	16 rxn	10009865
xGen mRNA Enrichment Module*		10017545
xGen Broad-Range RNA Library Prep	96 rxn	10009813
xGen mRNA Enrichment Module*		10017546
xGen RNA Library Prep		
xGen RNA Library Prep	16 rxn	10009866
	96 rxn	10009814
xGen Broad-Range RNA Library Prep		
xGen Broad-Range RNA Library Prep	16 rxn	10009865
	96 rxn	10009813

*mRNA Enrichment Module must be purchased with xGen RNA Library Prep or xGen Broad-Range RNA library Prep

Ready to get more from every RNA sample?

Build a flexible xGen workflow with the library preparation, mRNA enrichment, indexing, normalization, and hybridization capture options your research requires. **Connect with an IDT NGS specialist** to find the right path from RNA to insight.

For more information,
visit **idtdna.com/RNA-Seq**

For Research Use Only. Not for diagnostic procedures. Unless otherwise agreed to in writing, IDT does not intend these products to be used in clinical applications and does not warrant their fitness or suitability for any clinical diagnostic use. Purchaser is solely responsible for all decisions regarding the use of these products and any associated regulatory or legal obligations.

© 2026 Integrated DNA Technologies, Inc. All rights reserved. For specific trademark and licensing information, see **idtdna.com/trademarks**. Doc ID:RUO26-4618_001 11/26