

Targeted RNA Sequencing Panel

Transcriptome Analysis

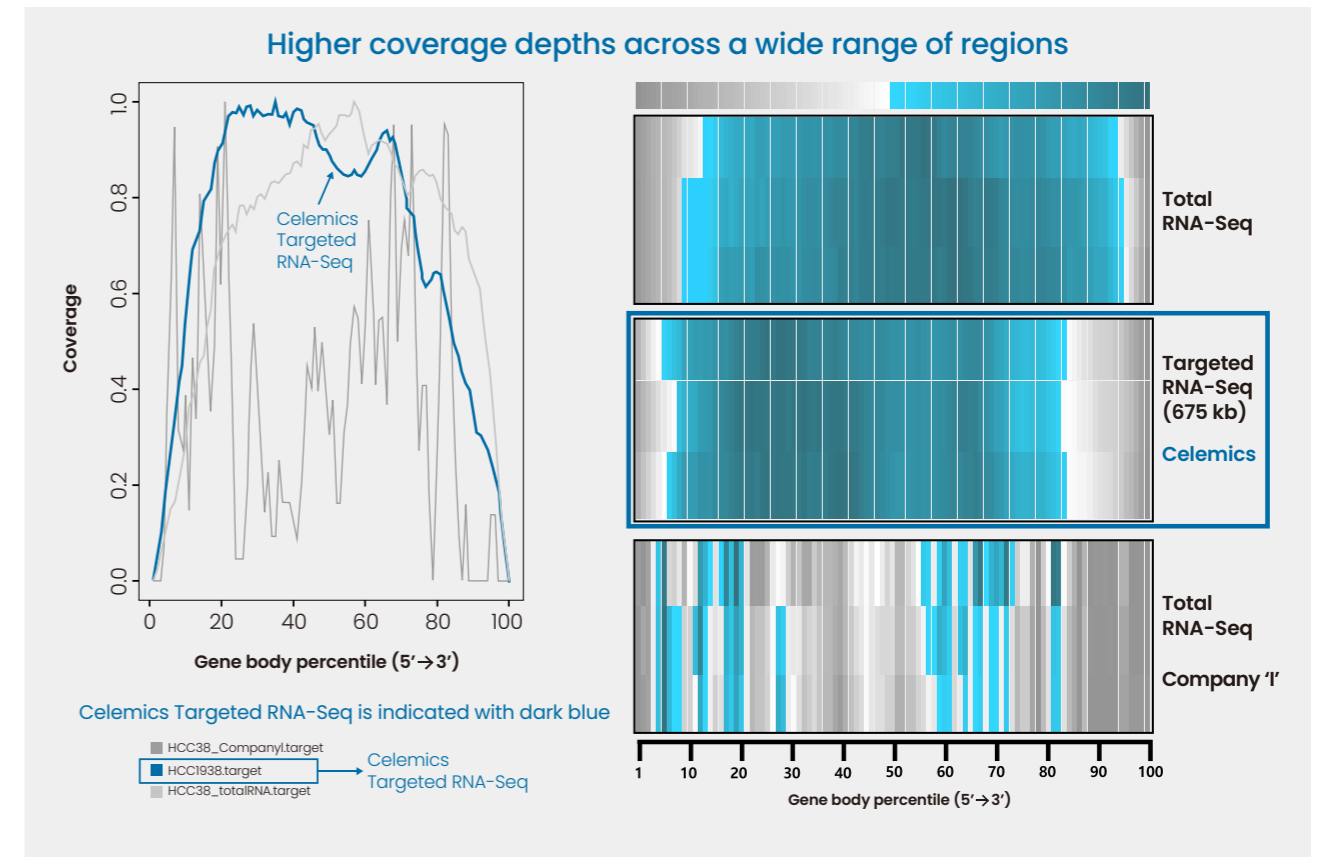
KEY FEATURES

1. Cost-effective high-quality analysis	Accurate analysis of expression levels enabled by higher depth of coverage due to specific targeting of genes of interest, compared to total RNA sequencing
2. Compatible with a variety of sample types	Receive reliable results from poor-quality samples such as FFPE and low-amount samples such as cfRNA
3. Expression level in all regions of genes of interest	Covers all gene regions, allowing for the assessment of expression levels across all exons
4. Gene rearrangement analysis	Detects rearrangement and all other types of variants
5. Isoform analysis	Identify isoform expression levels by assessing the entire regions of targeted genes.

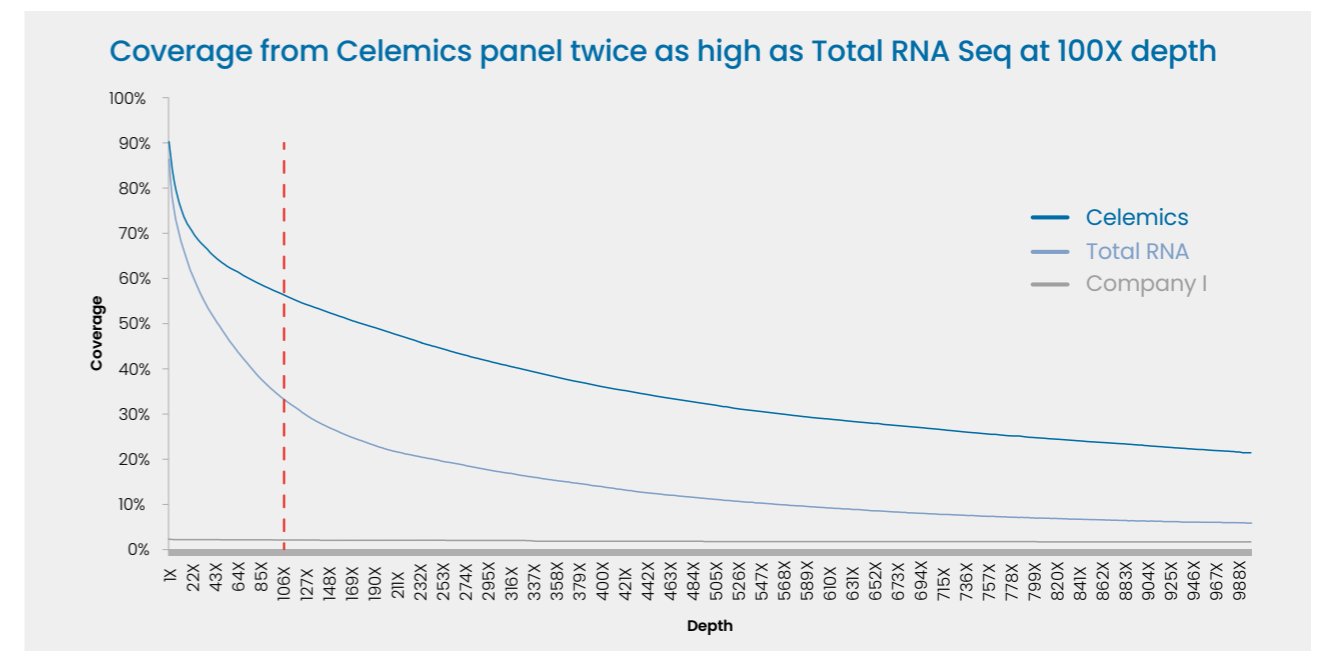
PACKAGE COMPOSITION

Package name	Compositions		Package option	Options	
Target Enrichment	Target capture Probe	-	Pooling method	Single Reaction	Pre-capture Pooling
Standard	Target Enrichment reagents	Library prep Kit	Library Preparation kits	Standard Kit	
All-in-One	-	Beads / Polymerase	Hybridization Enhancer	Included	Not included

PANEL PERFORMANCE



Celeemics Targeted RNA Sequencing assesses the expression level of selective genes with sufficient level of coverage depth that is higher than that of total mRNA sequencing. Compared to competitor products that targets only parts of an exon, the Targeted RNA Sequencing developed by Celeemics showed relatively higher coverage across a wide range of regions.



The comparison test between Celeemics Targeted RNA Sequencing and total RNA sequencing shows that the coverage from the Celeemics product is 15% higher at 50X and twice as high at 100X.