

TrueQuant pan-RNA-Seq

NEW



Simultaneous NGS of mRNA
and small RNA in a single reaction

Available as kit or service

Key Benefits

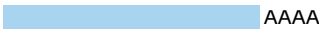
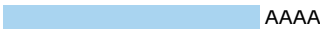
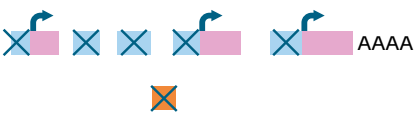
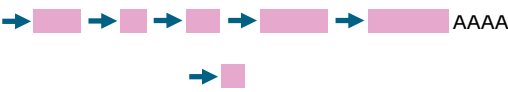
- FFPE samples
- Liquid biopsies / EVs from only 25 µl of plasma
- Degraded RNA / Low RIN-value
- Ultra low sample Input:
10 pg total RNA – single cell
- Fast, single tube protocol
- Gel free
- UDIs included
- Sequencing on any
Illumina® NGS instrument
- Bioinformatics optional

Conventional RNA-Seq vs. TQ pan-RNA-Seq

Simultaneous sequencing of mRNA and small RNA in a single reaction saves time, reduces material requirements and eliminates the need for separate experiments.

Our highly sensitive approach can handle single-cell amounts of degraded RNA with low RIN and is ideal for EV-derived RNA or RNA from FFPE samples.

TQ pan-RNA-Seq maximizes data output from valuable samples and ensures comprehensive transcriptomic insights with minimal resources.

	Conventional	TQ pan-RNA-Seq
Input mRNA small RNA	total RNA 50 ng 	total RNA 10 pg 
Fragmentation		
Library Prep & Sequencing	Hexamers 	entire RNA 
	Not the entire RNA fragment is sequenced Loss of shorter, degraded & smallRNAs	Full-length of RNA fragments and small RNAs are sequenced Ideal for degraded RNA (FFPE)

Dedicated bioinformatics pipeline for our TQ pan-RNA sequencing

The pipeline decodes both small RNA and mRNA information at an unprecedented level, including positive and negative correlation analysis, Gene Set Enrichment Analysis (GSEA), Over-Representa-

tion Analysis (ORA), Principal Component Analysis (PCA), publication-ready images, descriptions and an automated literature search.