

Celemics Double-stranded cDNA Synthesis Kit

Stabilize RNA to
Double-stranded cDNA
for Unquestionable Performance

Key Features

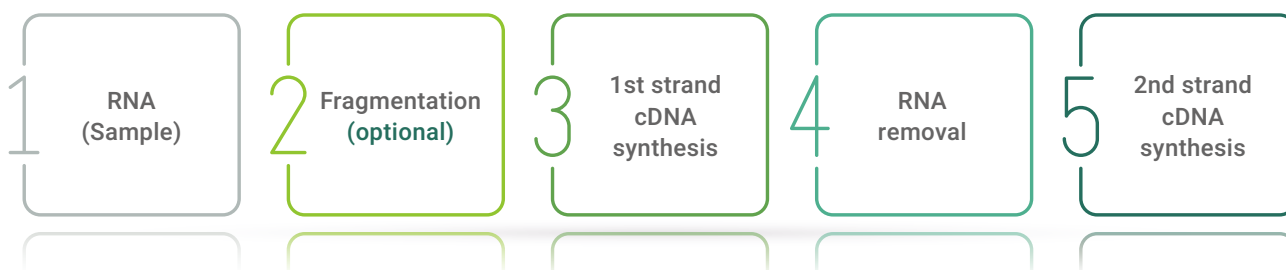
- Includes all components needed from RNA fragmentation to double-stranded cDNA synthesis suitable for NGS-quality
- Easy-to-follow protocol
- Robust and reproducible NGS libraries

Celemics Double-stranded cDNA Synthesis Kit

Celemics' Double-stranded cDNA Synthesis Kit is designed to provide the optimized for template for NGS-based RNA sequencing. The kit includes all components from RNA fragmentation to double stranded cDNA synthesis for NGS library preparation. The undeniable stability and performance of the kit allows for the cDNA synthesis even from low amounts of RNA samples with high accuracy and reduced reaction time.



Double-stranded cDNA synthesis workflow



Performance Data

The robustness of Celemics Double-stranded cDNA Synthesis Kit was tested by generating 6 replicated sample using 100 ng of Universal Human RNA (Agilent Technologies, USA)

Reproducibility Data

No.	Input amt (ng)	PCR cycle	Conc. (ng/uL)	Yield (ng)
1	100	10	60.1	1803
2	100	10	63.3	1899
3	100	10	59.8	1794
4	100	10	58.2	1746
5	100	10	58.4	1752
6	100	10	59.4	1782

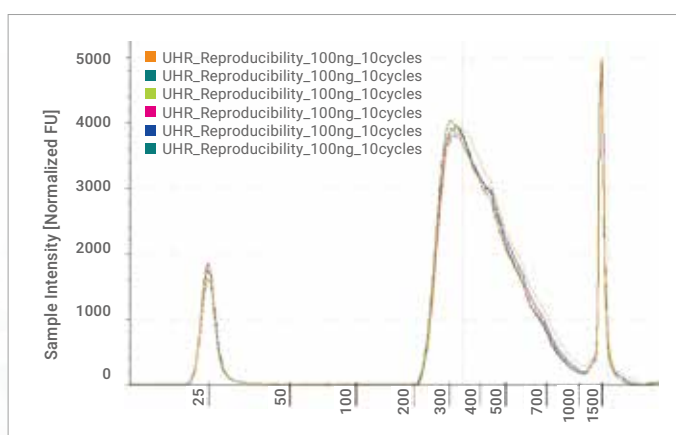


Table 1 & Figure 1. Reproducibility of Celemics' double-stranded cDNA synthesis kit. 100 ng input of Universal Human RNA (UHR) with Celemics kit showed highly reproducible result, relatively similar concentration and the total yield, for all 6 of replicated samples.

Performance Data

Performance Comparison Data

The amplified yield with synthesized cDNA were compared with our major competitors' in the market. The data generated using Celeemics Double-stranded cDNA Synthesis Kit provided significantly higher yield than those of competitors' products.

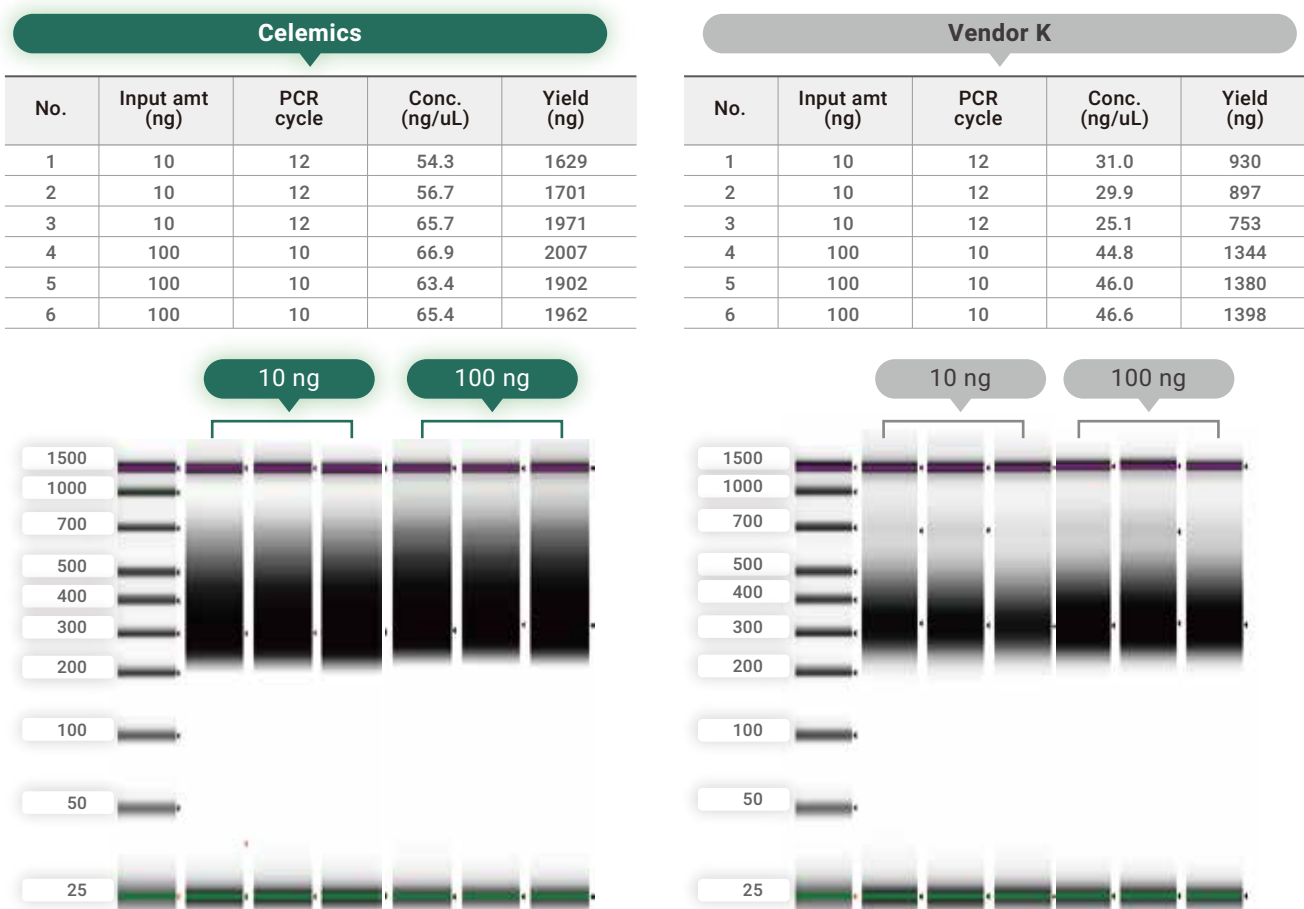


Table 2 & Figure 2. Comparison of the amplified yield using Celeemics and Vendor K's double-stranded cDNA synthesis kit. For both 10 ng and 100 ng input of UHR, the overall yields generated with Celeemics kit were significantly higher than those generated with Vendor K's product.

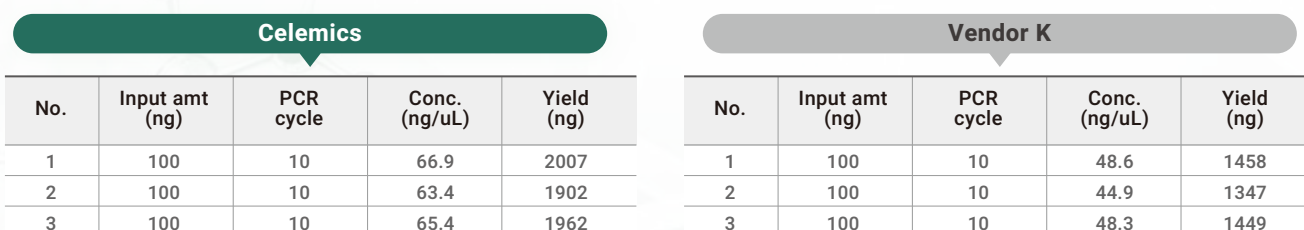


Table 3. Comparison of the amplified yield using Celeemics and Vendor N's double-stranded cDNA synthesis kit. Using 100 ng input amount of UHR, the Celeemics kit provided higher yield compared to the competitor product.

Order Information | Double Strand cDNA Synthesis Kit



Cat. No.	Product	Product Unit
DSCS-R-16	Double Strand cDNA Synthesis Kit	16 rxn
DSCS-R-96	Double Strand cDNA Synthesis Kit	96 rxn

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