

Product Analysis Certificate

DriverMap™ Human Genome-Wide Expression Profiling Kit
Cat.# DM-HGW



DriverMap™ Human Genome-Wide Expression Profiling Kit

Catalog #: DM-HGW

Number of Assays: For 24 samples

Shipment Contents: RT-PCR-NGS Reagents (BOX 1 of 2) — Store at -20°C
Index Primers (BOX 2 of 2) — Store at -20°C

Lot #: 170210928

Description:

The DriverMap™ Human Genome-Wide Gene Expression Profiling Assay measures the expression level of almost 19,000 human protein-coding genes by combining highly multiplexed RT-PCR amplification with the depth and precision of Illumina® Next-Generation Sequencing (NGS) quantitation. The single-tube assay provides robust, quantitative, and reproducible measurements of each expressed gene over as much as 5-orders of magnitude differences in expression level.

The DriverMap™ Kit provides enough reagents for the preparation of 24 NGS probes starting from total RNA from blood, tissue, cells, or other biological samples, plus 2 reactions with Positive Control RNA.

Shipping Conditions: Blue Ice (-20°C)

Shelf Life: 6 months from date of receipt

Product Information (Cellecta Website):

User Manual

Web: <https://www.cellecta.com/manuals/drivermap-human-genome-wide-gene-expression-profiling-kit/v1a/>
PDF: <https://www.cellecta.com/Cellecta-Manual-DriverMap-HGW-Gene-Expression-Profiling-Kit.pdf>

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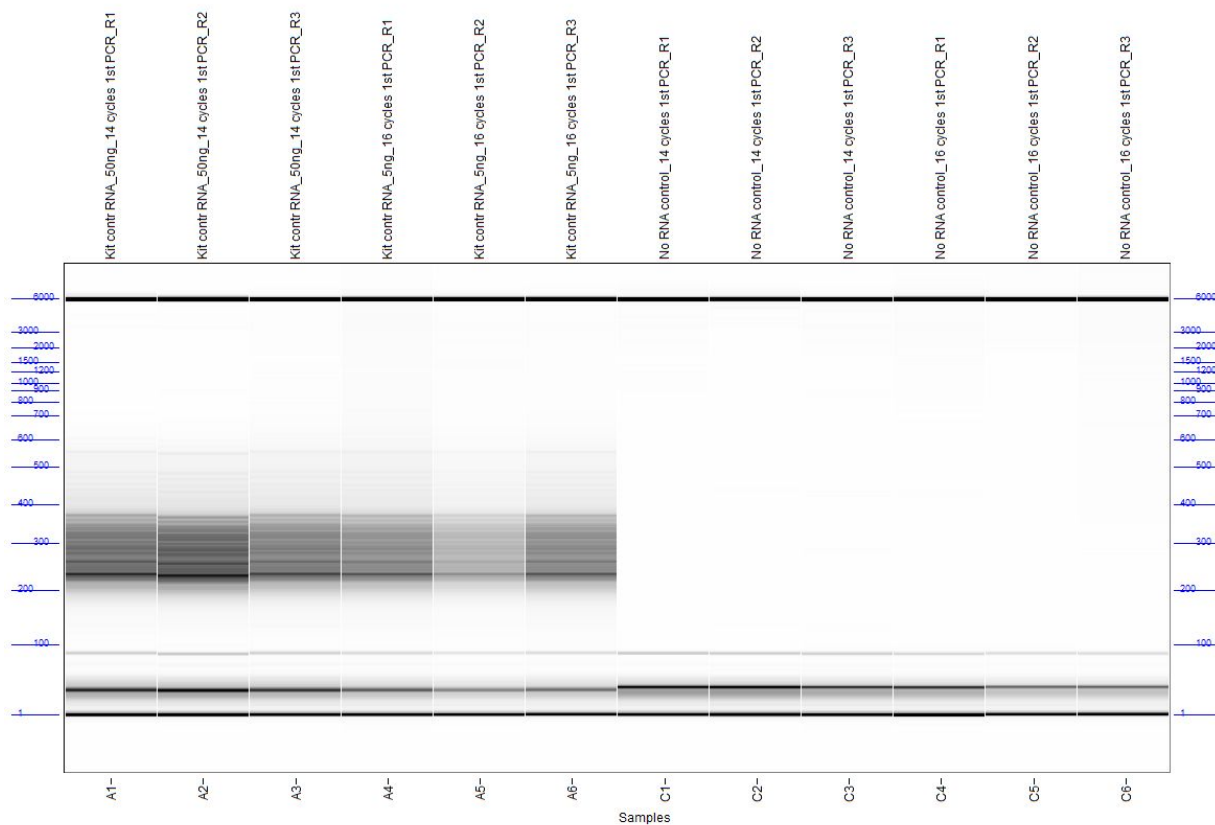
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Quality Control

Following the protocols in the DriverMap User Manual, 5 ng and 50 ng of Positive Control RNA was used as starting material, in triplicate, for first-strand cDNA synthesis as described. First-strand cDNA was then used as template for Forward and Reverse GS Primer extension. Extension products were then subjected to two rounds of PCR, with Anchor and Index primers. 1 µl of each sample was analyzed on an AATI Fragment Analyzer™. The results show a range of PCR amplicons varying in sizes from 200 to 400 bp.



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