

CERTIFICATE OF ANALYSIS

AM1722 Cells-to-cDNA™ II

Packaging Lot: 3096720

Manufacturing Date: 30.10.2024 (DD.MM.YYYY)

Storage: at -20±5°C

Note: **For Research Use Only. Not for use in diagnostic procedures.**
IMPORTANT Check Individual Components for Storage Conditions.

Filling lots for components in package:

Lot	Quantity	Description
3073579	40 µL	M-MLV RT
3003251	80 µL	DNase I
3073587	40 µL	RNase Inhibitor
3073582	4 mL	Cell Lysis Buffer
3073662	160 µL	dNTP Mix
3073567	50 µL	Armored RNA™ Control
3063662	80 µL	Endogenous Primer Pair
3073683	80 µL	Armored RNA™ Primer Pair
3065081	80 µL	Random Decamers
3065080	80 µL	Oligo(dT) Primer
3086291	200 µL	10X RT Buffer
2937494	2 × 20 mL	1X PBS Buffer pH 7.4
3078724	1.75 mL	Nuclease-free Water

QUALITY CONTROL

Parameter	Method	Requirement	Result
Functional testing (Relevant kit components)	10-fold dilutions of cultured cells are lysed and treated with DNase. Lysates are used in one-step RT-PCR and a two-step RT-PCR reactions with hTBP and armored RNA primer/probe systems.	Meets predetermined specification	Pass
Nonspecific Endonuclease Activity (Relevant kit components)	A sample is incubated with supercoiled plasmid DNA and analyzed by agarose gel electrophoresis.	Meets predetermined specification	Pass
Exonuclease Activity (Relevant kit components)	A sample is incubated with labeled doublestranded DNA, followed by PAGE analysis.	Meets predetermined specification	Pass
RNase Activity (Relevant kit components)	A sample is incubated with labeled RNA and analyzed by PAGE.	Meets predetermined specification	Pass
Protease testing (Relevant kit components)	A sample is incubated with protease substrate and analyzed by fluorescence.	Meets predetermined specification	Pass

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ISO CERTIFICATION

Manufactured by Thermo Fisher Scientific Baltics UAB, in compliance with ISO 9001 and ISO 13485 certified quality management system.

Quality authorized by QC: **J. Žilinskienė**

