

**CERTIFICATE OF ANALYSIS**
**4472942 SYBR™ Select Master Mix for CFX**

Packaging Lot: 2815291

Manufacturing Date: 23.08.2023 (DD.MM.YYYY)

Expiration Date: 31.08.2024 (DD.MM.YYYY)

**QUALITY CONTROL**

TEST	SPECIFICATION	RESULT
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**FUNCTIONAL TEST (IMAGE ATTACHED)**

Functional test performed on Applied Biosystems 7500 Fast Real-Time PCR System in Standard Mode.

Average NTC (No Template Control)	≥ 37 CT	Pass
Average Ct for the third concentration point	18 - 22 CT	Pass
The R <sup>2</sup> (correlation coefficient) for the standard curve	≥ 98 %	Pass
PCR % efficiency	85 - 115 %	Pass
The average delta Rn for the second concentration point	5 - 13 CT	Pass

**ANALYTICAL TESTS**

dATP concentration by HPLC	Pass
dCTP concentration by HPLC	Pass
dGTP concentration by HPLC	Pass
dTTP concentration by HPLC	Pass
dUTP concentration by HPLC	Pass
Magnesium ion (Mg <sup>2+</sup> ) concentration	Pass
pH	Pass

**NUCLEASE TESTS**

RNase equivalents level (pg/5µl)	≤ 1.15	Pass
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DNase equivalents level (pg/5µl) ≤ 155 Pass

**Bioburden Test**

*E. coli* DNA (copies/25 µl) ≤ 4 copy Pass

***For Research Use Only. Not for use in diagnostic procedures.***

ISO CERTIFICATION

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

Quality authorized by QC:

**J. Žilinskienė**



Image for product number 4472942 lot number 2815291

