

## CERTIFICATE OF ANALYSIS

### 4472942 SYBR™ Select Master Mix for CFX

Packaging Lot: 2844437

Manufacturing Date: 23.08.2023 (DD.MM.YYYY)

Expiry Date: 31.08.2024 (DD.MM.YYYY)

Storage: at 5±3°C in the dark

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

#### Filling lots for components in package:

Lot	Quantity	Description
2844437	5 mL	SYBR™ Select Master Mix for CFX

#### QUALITY CONTROL

Parameter	Method	Requirement	Result
Functional test	Functional test performed on Applied Biosystems Real-Time PCR System in Standard Mode.	<ul style="list-style-type: none"> <li>Average Ct of NTC reactions <math>\geq 37.0</math></li> <li>Average Ct for the third concentration point 18 – 22 Ct</li> <li>The <math>R^2</math> for the standard curve <math>\geq 0.98</math></li> <li>PCR efficiency 85 – 115 %</li> <li>Average delta Rn for the second concentration point 5 – 13 Ct</li> </ul>	Pass
dNTP (dATP, dCTP, dGTP, dTTP, dUTP) concentrations	Determined by HPLC method.	Within range of target concentration	Pass
Mg <sup>2+</sup> concentration	Determined by analytical method.	Within range of target concentration	Pass
pH	Measured using pH meter at 25°C.	Within range of target pH	Pass
DNase level	Determined by analytical method (pg/5 µl).	$\leq 155$	Pass
RNase level	Determined by analytical method (pg/5 µl).	$\leq 1.15$	Pass
<i>E. coli</i> DNA Burden	Determined by analytical method (copy/25 µl).	$\leq 4$ copy	Pass

#### 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**

