

CERTIFICATE OF ANALYSIS

ER0822 MbolI

Packaging Lot: 2874476

Expiry Date: 30.11.2027 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
2874476	1.5 kU	MbolI
2848749	1 mL	10x Buffer B
2844360	1 mL	10x Buffer Tango

QUALITY CONTROL

Parameter	Method	Requirement	Result
Concentration	One unit is defined as the amount of enzyme required to digest 1 µg of lambda DNA (dam ⁻ , dcm ⁻) in 1 hour at 37 °C in 50 µL of assay buffer.	5 - 6 U/µL	Conforms
Endo-exodeoxyribonucleases and phosphatases	Incubation of single stranded and double stranded labeled oligonucleotides with appropriate amount of enzyme for 4 hour at 37 °C in assay buffer.	Not detectable	Conforms
Star Activity	After 10-fold overdigestion (10 U/µg lambda DNA (dam ⁻ , dcm ⁻) for 1 hours at 37 °C) with enzyme the fragmentation pattern is analysed. No detectable changes compared to the theoretical fragmentation pattern are considered as absence of star activity.	Not detectable	Conforms

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**

