

CERTIFICATE OF ANALYSIS

707701KT Sequenase™ Version 2.0 DNA Sequencing Kit

Packaging Lot: 00930749

Expiry Date: 31.05.2021 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
00871810	25 µL	Inorganic Pyrophosphatase
00871806	25 µL	Sequenase™ Version 2.0 DNA Polymerase
00873945	250 µL	ddG Termination Mix (for dGTP)
00871734	100 µL	5X dGTP Labeling Mix (for radiolabeled dATP)
00871832	125 µL	ddA Termination Mix (for dITP)
00929011	125 µL	ddG Termination Mix (for dITP)
00871736	100 µL	5X dITP Labeling Mix (for radiolabeled dATP)
00871801	100 µL	dGTP Extending Mix
00871813	125 µL	ddT Termination Mix (for dITP)
00873952	250 µL	ddT Termination Mix (for dGTP)
00871802	50 µL	dITP Extending Mix
00871822	125 µL	ddC Termination Mix (for dITP)
00873947	250 µL	ddC Termination Mix (for dGTP)
00873950	250 µL	ddA Termination Mix (for dGTP)
00868911	50 µL	M13mp18 DNA
00871737	100 µL	Sequencing Primer-40 M13 (17-mer)
00825013	150 µL	DTT Solution 0.1 M
00876407	2 x 1.2 mL	Stop Solution
00834815	250 µL	Glycerol Dilution Buffer
00873234	1 mL	5X Sequenase™ Reaction Buffer
00871738	1 mL	Sequenase™ Enzyme Dilution Buffer
00871836	100 µL	Mn Buffer (for dGTP)

QUALITY CONTROL

Parameter	Method	Requirement	Result
Functional Assay	Functionally tested in radioactive sequencing using radiolabeled-dATP and M13mp18 single-stranded DNA template.	There are no extra or missing bands, absence of stops, and uniform band intensity when compared to the control sequences	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

