

CERTIFICATE OF ANALYSIS

707701KT Sequenase™ Version 2.0 DNA Sequencing Kit

Packaging Lot: 01103738

Expiry Date: 28.02.2022 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
01086148	25 µL	Inorganic Pyrophosphatase
01086136	25 µL	Sequenase™ Version 2.0 DNA Polymerase
01085292	250 µL	ddG Termination Mix (for dGTP)
01086111	100 µL	5X dGTP Labeling Mix (for radiolabeled dATP)
01085306	125 µL	ddA Termination Mix (for dITP)
01085335	125 µL	ddG Termination Mix (for dITP)
01085203	100 µL	5X dITP Labeling Mix (for radiolabeled dATP)
01085317	100 µL	dGTP Extending Mix
01085315	125 µL	ddT Termination Mix (for dITP)
01085297	250 µL	ddT Termination Mix (for dGTP)
01085320	50 µL	dITP Extending Mix
01085307	125 µL	ddC Termination Mix (for dITP)
01086107	250 µL	ddC Termination Mix (for dGTP)
01085289	250 µL	ddA Termination Mix (for dGTP)
01097251	50 µL	M13mp18 DNA
01083556	100 µL	Sequencing Primer-40 M13 (17-mer)
00883743	150 µL	DTT Solution 0.1 M
01085301	2 x 1.2 mL	Stop Solution
01086141	250 µL	Glycerol Dilution Buffer
01090440	1 mL	5X Sequenase™ Reaction Buffer
01086147	1 mL	Sequenase™ Enzyme Dilution Buffer
01102975	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

