

CERTIFICATE OF ANALYSIS

A30704 JETQUICK Blood & Cell Culture DNA MIDI Spin Kit

Packaging Lot: 2737919

Expiry Date: 30.06.2024 (DD.MM.YYYY)

Storage: at room temperature

Note: **For Research Use Only. Not for use in diagnostic procedures.**
IMPORTANT Check Individual Components for Storage Conditions.

Filling lots for components in package:

Lot	Quantity	Description
2730171	4 x 1.3 mL	RNase A
2730167	320 mg	Protease
2730606	110 mL	Elution Buffer
2735182	165 mL	Buffer K1
2733550	2 x 124 mL	Buffer KX
2733835	2 x 87 mL	Buffer K2
2729251	10 x 5 each	JetQuick Spin Columns

QUALITY CONTROL

Parameter	Method	Requirement	Result
Yield of purified DNA (Columns)	Purification of genomic DNA from 5 ml EDTA blood.	$\geq 35.0 \mu\text{g}$	Conforms
Purity (Columns)	A_{260}/A_{280} ratio.	≥ 1.7	Conforms
Gel electrophoresis (Columns)	Purified genomic DNA is ran on an agarose gel.	A single band of DNA is observed	Conforms
Functional quality of genomic DNA (Columns)	Functional quality of genomic DNA is evaluated by PCR amplification. PCR product is ran on an agarose gel.	A single band of the correct size product is observed	Conforms
Functional testing (RNase A and Protease)	Components are checked for their functional activity in appropriate tests.	Tests results are within range of predetermined specifications	Conforms
pH (Relevant Buffers)	Measured using a pH meter.	Within range of predetermined specifications	Conforms
Density (Relevant Buffers)	Measured using a densitometer.	Within range of predetermined specifications	Conforms
Refractive Index (Relevant Buffers)	Measured using a refractometer.	Within range of predetermined specifications	Conforms
Conductivity (Relevant Buffers)	Measured using a conductometer.	Within range of predetermined specifications	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

