CERTIFICATE OF ANALYSIS

A30704   JETQUICK Blood & Cell Culture DNA MIDI Spin Kit

Packaging Lot: **2775414**

Expiry Date:	31.07.2024 (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
2773530	4 x 1.3 mL	RNase A
2771314	320 mg	Protease
2772407	110 mL	Elution Buffer
2772915	165 mL	Buffer K1
2772431	2 x 124 mL	Buffer KX
2773085	2 x 87 mL	Buffer K2
2771075	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.	$\geq 35.0\ \mu g$	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