

Certificate of Analysis

Issue date	2025-08-22
Product	IndiSpin® Pathogen Kit (50)
Cat. Number(s)	SP54104
Lot number	181029760
Expiry date	2026-06-30 (yyyy-mm-dd)
Storage temperature	15°C to 25°C

Quality Control

Passed

Membrane control

The RNA-binding capacity was tested by determining the recovery obtained with 122-138 µg of input total Carrier-RNA on 0.4 cm² of membrane. Greater than 80% recovery was obtained. ✓

The DNA binding capacity was tested by determining recovery of genomic DNA using 0.4 cm² of membrane. More than 50 µg DNA was recovered. ✓

As tested by PCR, no PCR inhibitors were released from the membrane. ✓

Buffer control

Conductivity and pH of buffers were tested and found to be within the ranges below:

	Conductivity (mS/cm)	pH	
Buffer VXL	38.94 – 45.40 (1/10 dilution)	7.70 – 8.20	✓
Buffer ACB	27.53 – 32.11 (1/10 dilution)	7.90 – 8.30	✓
Buffer AW1	50.20 – 59.80 (1/10 dilution)	–	✓
Buffer AW2	27.80 – 33.20	7.40 – 7.60	✓
Buffer AVE †	0.54 – 0.66	–	✓

Absence of RNase activity was checked by incubation of RNA in Buffer AW2 and Buffer AVE † at 37°C for 3 hours. ✓

† Contains sodium azide.

Proteinase K

Activity was determined by incubation of hemoglobin substrate solution with Proteinase K in water, at 30°C for 10 min, followed by determination of acid-soluble tyrosine at 750 nm. ✓

Absence of DNase and RNase activity was checked by incubation of DNA or RNA, with Proteinase K in enzyme incubation buffer at 37°C. ✓

Carrier RNA

Concentration and purity were determined by spectrophotometry. Integrity and size distribution were checked by denaturing agarose gel electrophoresis and ethidium bromide staining. ✓

Manufactured and tested at QIAGEN exclusively for INDICAL BIOSCIENCE GmbH, Leipzig, Germany, and in compliance with ISO 9001 certified quality management system. The product fulfills all INDICAL quality requirements.

Dr. Hannes Kohls, Quality Assurance

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