

AUTOMATED NUCLEIC ACID EXTRACTION

Rapid walk-away solution with the Sterilab NC15-Plus for 16 or 32 Samples

1. Automated walk-away solution with extraction time of less than 30 minutes
2. Simple, two-step deskilled process
3. CE marked for In Vitro Diagnostic use
4. Versatile system which supports wet or dry swabs, cultured cells, tissue, sputum, serum and plasma



SIMPLE WORKFLOW



MACHINE PROCESSES

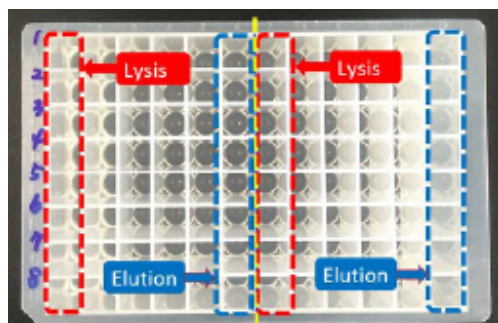
1. Lysis step - sample heated to 60°C
2. Washing magnetic beads (3 stages)
3. Dries magnetic beads
4. Elution step

Eluted nucleic acids can then be transferred from 6th and 12th columns to microtubes for the next stage of testing.

DNA/RNA EXTRACTION KIT

KIT PERFORMANCE

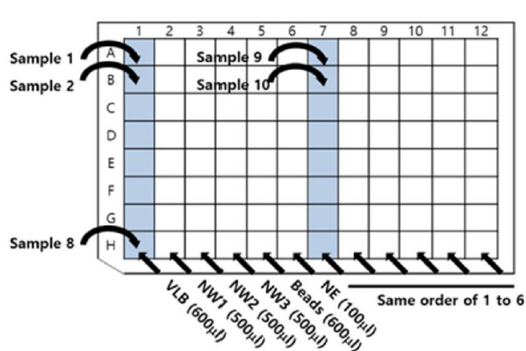
Extraction Purity A260/280	Cultured cell: 1.7~2.1 Whole blood: 1.8 ~1.9 Buffy coat: 1.7~2.1
Yield of Nucleic Acid	90-95%
Extraction Time	<30 minutes
Sample Capacity	16 or 32 samples per run
Sample Volumes	200-300 µl
Sample Types Supported	Viral Swabs, Sputum, Cultured Cells, Serum, Plasma, Tissue,
Storage	Room temperature (15-25°C)
Shelf life	12 months



PREDISPENSED KIT CONTENTS

16 specimens per plate

Predispensed plate contents per well	
Buffer VLB	600 µl
Buffer NW1	500 µl
Buffer NW2	500 µl
Buffer NW3	500 µl
Buffer NE	100 µl
Magnetic beads	600 µl
Proteinase K	4 EA
Storage Buffer	4 EA



DNA/RNA EXTRACTION EQUIPMENT

MACHINE SPECIFICATIONS

DNA/RNA Extraction Method	Magnetic Bead Method
Number of Samples	16 or 32 samples per run
Processing Time	29 minutes for viral RNA
Touch Monitor	7"
Convenience Function	Self Test USB Update
Input Supply Universal Supply	100~240VAC, 50-60Hz, 1.5A
Output Power	+24VDC +3% (150W Maximum)
Power Supply	UL/CSA/CE Approved universal power supply with IEC connection
Physical Dimensions	340 x 420 x 345mm (13.88 x 16.53 x 13.58")
Weight	24kg
Operating Temperature:	10°C to 40°C (50°F to 104°F)
Relative Humidity:	30% to 85% R.H. non-condensing
UV Lamp	Life-time 4800 Hours



ORDERING INFORMATION

Product	Package	Catalogue Number
Viral DNA/RNA Extraction Kit	192 tests	VDR-B096V
NC15-PLUS Machine (16/32 well)	1no.	HWTD-01-32

Extraction kits also available for whole blood, cultured cell, buffy coat, CSF, tissue extraction and serum/plasma extraction.

CONTACT

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