



Nucleic Acid Purification Systems

LNAP-A1 Series

Nucleic acid purification system LNAP-A10

Nucleic acid purification system LNAP-A10 is a benchtop unit for DNA and RNA purification with automated low throughput sample preparation. Capable of extracting 1 to 20 samples per run with a working volume of 1 ml. Features a fast extraction protocol of 15 to 40 mins per cycle depending on sample type. Built-in UV lamp prevents cross contamination. Unit can be configured for elevation of sample processing volume upto 3 ml and 5 ml for higher yields of purified products.

Features

- ◆ Automate low-throughput sample preparation
- ◆ High purity and excellent yield of nucleic acid
- ◆ 9 tube strip design
- ◆ Maximum sample volume - 1.2 ml
- ◆ UV lamp to avoid cross contamination
- ◆ Three shortcut key to make for easy running, stopping the magnetic beads program
- ◆ Open system for optimized purification
- ◆ Special plastic consumables to avoid cross contamination
- ◆ Improved sample quality for improvised downstream analysis
- ◆ Alarm for indicating completion of purification cycle
- ◆ Pause function for emergent stop

Nucleic acid purification system LNAP-A11

Nucleic acid purification system LNAP-A11 is a benchtop unit for DNA and RNA purification with automated low throughput sample preparation. Capable of extracting 1 to 20 samples per run with a working volume of 1 ml. Features a fast extraction protocol of 15 to 40 mins per cycle depending on sample type. Built-in UV lamp prevents cross contamination. Unit can be configured for elevation of sample processing volume upto 3 ml and 5 ml for higher yields of purified products.

Features

- ◆ Automate low-throughput sample preparation
- ◆ High purity and excellent yield of nucleic acid
- ◆ 5 ml tube strip design
- ◆ Maximum sample volume - 2 ml
- ◆ Line-mixing the sample
- ◆ UV lamp to avoid cross contamination
- ◆ Three shortcut key to make for easy running, stopping the magnetic beads program
- ◆ Open system for optimized purification
- ◆ Special plastic consumables to avoid cross contamination
- ◆ Improved sample quality for improvised downstream analysis
- ◆ Alarm for indicating completion of purification cycle
- ◆ Pause function for emergent stop

Nucleic acid purification system LNAP-A12

Nucleic acid purification system LNAP-A12 is a benchtop unit for DNA and RNA purification with automated low throughput sample preparation. Capable of extracting 1 to 32 samples per run with a working volume of 1 ml. Features a fast extraction protocol of 15 to 40 mins per cycle depending on sample type. Built-in UV lamp prevents cross contamination. Unit can be configured for elevation of sample processing volume upto 3 ml and 5 ml for higher yields of purified products.

Features

- ◆ Automate low-throughput sample preparation
- ◆ High purity and excellent yield of nucleic acid
- ◆ UV lamp to avoid cross contamination
- ◆ Three shortcut key to make for easy running, stopping the magnetic beads program
- ◆ Open system for optimized purification
- ◆ Special plastic consumables to avoid cross contamination
- ◆ Improved sample quality for improvised downstream analysis
- ◆ Alarm for indicating completion of purification cycle
- ◆ Pause function for emergent stop

Applications

Used for DNA and RNA purification from different starting materials, such as blood, cultured cells or bacteria, tissues, cell-free body fluids and plant samples

Specifications

Model No	LNAP-A10	LNAP-A11	LNAP-A12
Throughput	1 ~ 20	1 ~ 20	1 ~ 32
Process volume	50 μ l ~ 3000 μ l	50 μ l ~ 5000 μ l	50 μ l ~ 1000 μ l
Collection efficiency	> 95 %	> 95 %	> 95 %
Magnetic rod number	20	20	32
Purification accuracy	100 copy sample positive rate > 95%	100 copy sample positive rate > 95%	100 copy sample positive rate > 95%
Stability	CV < 5%	CV < 5%	CV < 5%
Plate types	3 ml tube strip	5 ml tube strip	96 deep well plate
Heating for lysis tube	Ambient temperature-120 $^{\circ}$ C	Ambient temperature-120 $^{\circ}$ C	Ambient temperature-120 $^{\circ}$ C
Heating for elution tube	Ambient temperature-120 $^{\circ}$ C	Ambient temperature-120 $^{\circ}$ C	Ambient temperature-120 $^{\circ}$ C
Operation	7 inch color touch screen	7 inch color touch screen	7 inch color touch screen
Extraction steps	Lysis, Sample binding, Washing and elution	Lysis, Sample binding, Washing and elution	Lysis, Sample binding, Washing and elution
Storage capacity	more than 100 programs	more than 100 programs	more than 100 programs
Protocol management	Create, edit, delete, protocol mode	Create, edit, delete, protocol mode	Create, edit, delete, protocol mode
Pollution control	UV light	UV light	UV light
Lighting	Yes	Yes	Yes
Extension interface	4 standard USB port, built-in SD card	4 standard USB port, built-in SD card	4 standard USB port, built-in SD card

Exhaust	Fan	Fan	Fan
Power supply	450 W	450 W	450 W
Dimensions	400×520×450mm	400×520×450mm	400×470×450 mm
Weight	28 kgs	28 kgs	25 kgs

Optional accessories (LNAP-A10)

Accessory No	Accessory
NAP-A1	Tube strips
NAP-A2	Magnetic rod's tip

Optional accessories (LNAP-A11)

Accessory No	Accessory
NAP-B1	Tube strips
NAP-B2	Magnetic rod's tip

Optional accessories (LNAP-A12)

Accessory No	Accessory
NAP-C1	96-Deepwell plate
NAP-C2	Magnetic rod's tip