



Nucleic Acid Purification System

LIFE SCIENCE

Alpinum Prazision Austria GmbH & Co. KG

A large, semi-transparent red circle is centered on the page, containing the text. The background of the entire page is a blurred green field with some yellow and purple flowers. There are also two thin white circles on the left side of the red circle.

– Life Science –

CarnisAuto-Pure32A/CarnisAuto-Pure20A/CarnisAuto-Pure20B Nucleic Acid Purification System

Description

CarnisAuto-Pure32A/CarnisAuto-Pure20A/CarnisAuto-Pure20B is a bench top device for DNA and RNA purification by using magnetic separation technology from different samples, such as blood, cultured cells or bacteria, tissues, cell-free body fluids and plant samples. The device is capable of using magnetic rods to transfer particles through the various purification phases of binding, mixing, washing and elution, offering a solution with minimized hands-on time. The DNA and RNA purification is of high quality and high molecular weight.

Features

1. Easily to use with 7 inch touch screen
2. Very simple operation (easy to install, operate, maintain) without computer
3. Very fast extraction protocol, 15~40 minutes / cycle depending on sample type and method
4. Universal built-in program for easy using and high purity and excellent yield of nucleic acid
5. UV lamp to avoid cross contamination
6. Open system can optimize purification proposal according to various magnetic beads kits
7. Drawer design to prevent possible injuries
8. Capable of extracting 1~20 samples or 1~32 samples per run, and process samples up to 1ml, 3ml and 5ml

CarnisAuto-Pure Series

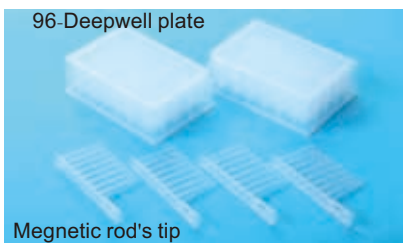


■ Process samples up to 1ml, 3ml or 5ml

With the CarnisAuto-Pure series can process up to 32 samples per run when the working volume is up to 1ml. With the ability to change the instrument configuration, the customers can elevate the sample processing volume up to 3ml or 5ml to obtain higher yields of the purified product, and the throughput up to 20 samples.

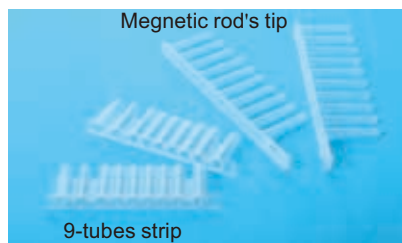
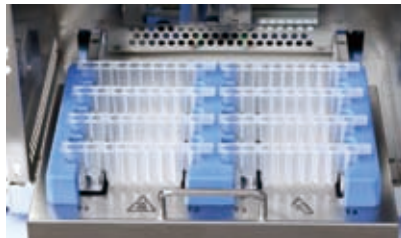
Modular designs

Process samples up to 1ml



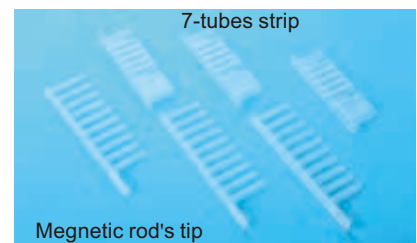
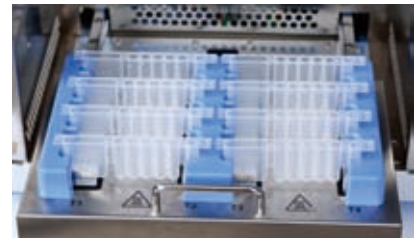
CarnisAuto-Pure32A consumable

Process samples up to 3ml



CarnisAuto-Pure20A consumable

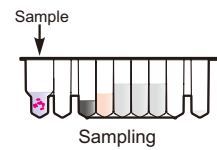
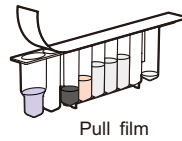
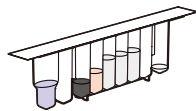
Process samples up to 5ml



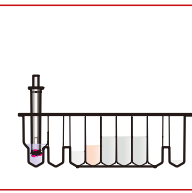
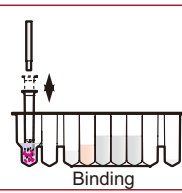
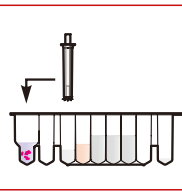
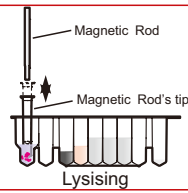
CarnisAuto-Pure20B consumable

Magnetic Bead Extraction (CarnisAuto-Pure20A)

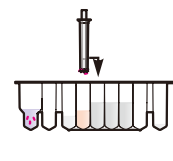
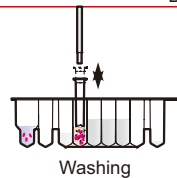
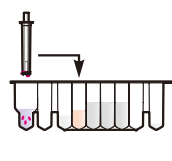
01
Sample



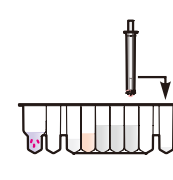
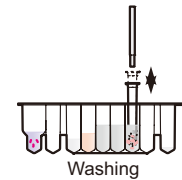
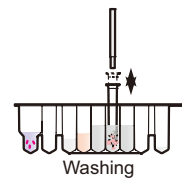
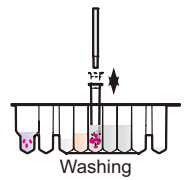
02
Lysing
Binding



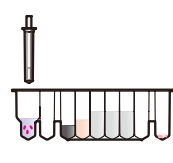
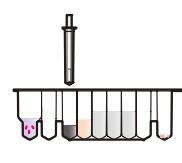
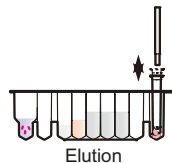
03
Washing



04
Washing



05
Elution



CarnisAuto-Pure32A/CarnisAuto-Pure20A/CarnisAuto-Pure20B Nucleic Acid Purification System

01

Special features for Auto-Pure20A

1. Patented design of 9-tubes strip
2. Process samples up to 3ml and Max.sample volume 1.2ml
3. Reducing reagent waste and good for research use



02

Special features for Auto-Pure20B

1. Patented design for 5ml tubes strip
2. Process samples up to 5ml and Max.sample volume 2ml
4. Patented design for line-mixing the sample, it's good for cell free fetal DNA and next-generation sequencing technology and non-invasive prenatal diagnosis

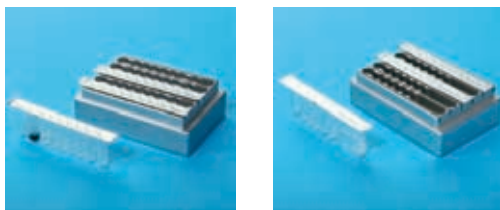


03

Matching product for Auto-Pure series: SealBio-2 Adapter for Auto-Pure tube strips



CarnisSealBio-2 Plate Sealer



Adapter for CarnisAuto-Pure20 series tube strips

04

Matching product for Auto-Pure20 series: FCM-1 FCM-1 Film Cutting Machine



CarnisFCM-1

1. Easy to operate; To push the button once and the work station will move back and forth once
2. The motor have a self-locking function, to protect user.
3. Hold an adapter for SealBio-2. After filming and take it onto the machine, then be able to cut the film
4. Push the button one time, the work-station will move one time
5. Specification:
 - 1) Type: FCM-1
 - 2) Power: 10W
 - 3) Cutting time: 2.5s
 - 4) Weight: 1.5kg
 - 5) Dimensions: 346x108x148.5mm

Specification

Type	CarnisAuto-Pure32A	CarnisAuto-Pure20A	CarnisAuto-Pure20B
Throughput	1~32	1~20	1~20
Process volume	50~1000ul	50~3000ul	50~5000ul
Collection efficiency	>95%	>95%	>95%
Magnetic rod number	32	20	20
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	96 Deepwell plate	3ml tube strip	5ml tube strip
Heating for lysis tube	Ambient temperature~120°C	Ambient temperature~120°C	Ambient temperature~120°C
Heating for elution tube	Ambient temperature~120°C	Ambient temperature~120°C	Ambient temperature~120°C
Operation	7 inch color touch screen	7 inch color touch screen	7 inch color touch screen
Extraction steps	Lysis, binding, washing and elution	Lysis, binding, washing and elution	Lysis, 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	450W	450W	450W
Dimensions	400 × 470 × 450 mm	400 × 520 × 450 mm	400 × 520 × 450 mm
Weight	25Kg	28Kg	28Kg

Ordering information

No.	Code	Description
01	AS-17030-00	CarnisAuto-Pure32A Nucleic Acid Purification System, AC220V-240V, 60Hz
02	AS-17040-00	CarnisAuto-Pure20A Nucleic Acid Purification System, AC220V-240V, 60Hz
03	AS-17050-00	CarnisAuto-Pure20B Nucleic Acid Purification System, AC220V-240V, 60Hz
04	AS-17031-01	96-Deepwell plate for CarnisAuto-Pure32A
05	AS-17031-02	Magnetic rod's tip for CarnisAuto-Pure32A
06	AS-17041-01	Tube strips for CarnisAuto-Pure20A (Special design) – 3ml
07	AS-17041-02	Magnetic rod's tip for CarnisAuto-Pure20A / Auto-Pure20B
08	AS-17051-01	Tube strips for CarnisAuto-Pure20B (Special design) – 5ml
09	AS-17100-00	FCM-1 Film Cutting Machine
10	AS-15020-00	CarnisSealBio-2 Plate Sealer
11	AS-15021-03	CarnisSBA-3 Weighted sealing platen
12	AS-15021-04	Adapter for CarnisAuto-Pure20 series tube strips
13	AS-15021-11	CarnisSeal-150 Peelable clear Seal
14	AS-15021-12	CarnisSeal-200 Peelable Seal for storage
15	AS-15021-13	CarnisSeal-300 Pierce Aluminum heating sealing film