

# T-Pro Auto 12t System

## Automated Nucleic Acid Purification System

### Compact

No separated PC is required. The T-Pro Auto 12t system has a small footprint to save the limited lab space.

### Smart Operation Navigation

The T-Pro Auto 12t system provides smart operation navigation. Scientists can easily setup and start the nucleic acid extraction by following the guiding info shown on built-in LCD screen step by step without needs for advanced training or previous experience with robotic workstation.

### Rapid Protocol Input with a Quick Barcode Scan

Protocol barcode is enclosed with each reagent kit box. It enables a quick selection to the purification protocol needed just by an easy quick scan with barcode scanner.

### UV Decontamination

UV lamp is equipped with the T-Pro Auto 12t system which can decontaminate the inner surface of the workstation before or after operation.

### Cost Effective

No more worry on the higher material costs to have an automated robot to nucleic acid purification system. The T-Pro Auto 12t system not only commits good purification quality but also takes care of material costs whether in instrumentation or reagent kits. Please contact your regional distributor for further information.



The T-Pro Auto 12t system is a compact bench-top extractor for automated nucleic acid purification. It offers a flexibility to process 1-12 samples per run in parallel, which can meet your lab requirements from small to middle sample throughputs.

- Easy To Use
- Cost Effective
- Compact, Walk-away Automation
- Consistent And Reproducible Purified Results
- Advanced Magnetic Beads Extraction Technology

### Truly Walk-Away Automation

3 easy steps to purify nucleic acids from different sample materials

1. Load samples, reagent cartridges, and consumables
2. Select protocol with a quick barcode Scan. T-Pro Auto 12t automates the rest
3. At the end of the run, purified nucleic acids are auto collected

No any manual adding of chemicals or reagents required, the T-Pro Auto 12t System allows scientists to purify nucleic acids in a few easy steps. Use of ready-to-go, pre-filled reagent cartridges and disposable consumables minimum the effort, save time and eliminate the risk of contamination and human errors. The walk-away automation makes purification works easy and standardized.

From the start – sample lysis, to the end of purification – elution, what you need to do is to fill in the samples, scan the protocol barcode, push the start button, and the T-Pro Auto 12t system automates the rest. Within 30-45 minutes, high-quality purified nucleic acids will be obtained and transferred to elution tubes for storage or for use in any of downstream assays.

### Processing 1-12 samples per run

The T-Pro Auto 12t system provides a flexibility of processing 1-12 samples in parallel. You don't need to worry about how many samples should be collected before the system runs. From single prep to 12 preps. a run, the T-Pro Auto 12t system allows the scientists to start their extraction work at any time they want to go.

### Ready-to-use Reagent Kits

The T-Pro Auto 12t system uses proven T-Pro FastEZ Purix kits for purification of DNA and nucleic acids from a wide range of starting materials. The T-Pro FastEZ Purix reagent kits contain everything you need for purification including pre-filled reagent cartridges and disposal plastics that enable the optimal ease of use. All kits are specifically designed and tested by T-Pro Biotechnology's experts for optimal extraction results. All cartridges are foil-sealed and remains sealed until the system runs, to minimize the risk of contamination and pollution.

### 30-45 minutes of extraction time

The purification process requires 30-45 minutes depending upon application and sample types.

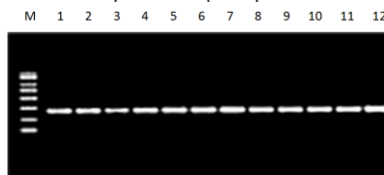
### Trusted Results and Performance

The new, proven magnetic bead technique along with the innovative plastic and cartridge design enable the T-Pro Auto 12t system deliver better purified results than other automated systems.



### Consistent yield and purity

The T-Pro Auto 12t system uses state of the art magnetic bead extraction system that purifies samples using T-Pro FastEZ Purix kits, providing the optimal and consistent extraction yield and purity.



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## Automated Nucleic Acid Purification System

### System Specifications

Extraction Method :

Magnetic Bead Extraction

Technology

Extraction Steps :

Sample binding, washing and elution

Throughput :

1 to 12 samples per run

Display :

LCD (20 characters x 4 lines)

Dimensions :

(48cm W x 70cm D x 52cm H )

Weight :

99 lb ( 45 kg )

Operating Temperature :

15-30°C

Operating Relative Humidity :

30-80% (non-condensing)

Electrical Requirements :

110-240V 50/60Hz

### Distributor :



### Ji-Feng Biotechnology

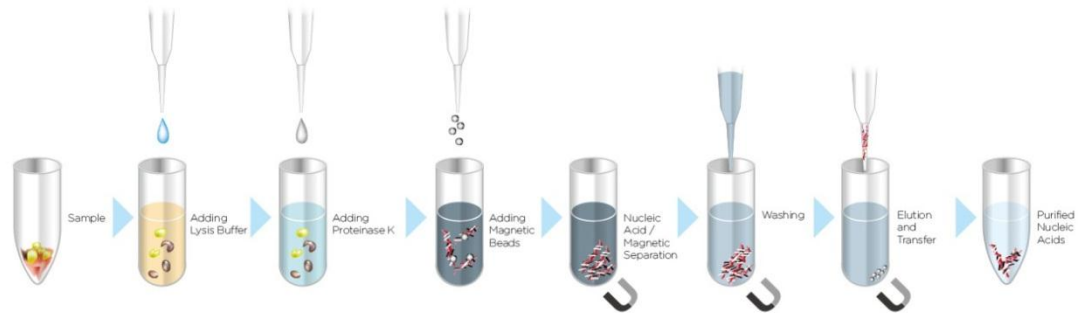
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### Proprietary "Muddler Mixing" design

The proprietary "Muddler Mixing" design (patent-pending) avoids the problems of clogged tips and partial reagent transfer commonly happened in other liquid handling extraction systems when purifying some specific specimen of high viscosity or of excess nucleic acids. In other systems, the nucleic acid bound particles will easily form a hard piece of pellet after binding process and be clogged in the tip sprout to cause extraction failure or liquid split pollution. The "Muddler Mixing" design will help agitate and disperse well before every essential liquid transfer step.

### Increase the efficiencies of lysis and elution

Ours special separation chamber design (patent-pending), greatly increases the efficiencies of lysis and elution, and effectively minimizes the residues of magnetic beads and alcohols in final elute product.

### Application

Nucleic acids purified using the T-Pro FastEZ Purix kits are suitable for use in a wide range of downstream applications, including genetic identity testing, genotyping, infectious disease researches, microarray assays, oncology, forensics, and many others.

### Service and Application Support

Our team of service and application support is pleased to work with you to ensure the best performance from your system. We're providing consultation, application development to system upgrading if required. The success of your application is guaranteed.

Product	Cat. No.	Pack Size	Description
<b>Instrument</b>			
T-Pro Auto 12t System	JZ89-S001	1 instrument and bar code scanner	Automated robot for nucleic acid purification
<b>Reagent Kits (Use with T-Pro Auto 12t System)</b>			
T-Pro FastEZ Purix Blood DNA Extraction Kit 200	JZ88-T001	1 kit (36 extractions) including all required plastic disposables	For extracting genomic DNA from mammalian whole blood, peripheral blood mononuclear cell, or buffy coat Sample Volume Range 200-400 uL
T-Pro FastEZ Purix Blood DNA Extraction Kit 1200	JZ88-T002	1 kit (36 extractions) including all required plastic disposables	For extracting genomic DNA from mammalian whole blood, peripheral blood mononuclear cell, or buffy coat Sample Volume Range 500-1200 uL
T-Pro FastEZ Purix Viral Nucleic Acid Extraction Kit	JZ88-T003	1 kit (36 extractions) including all required plastic disposables	For extracting viral nucleic acids from plasma, serum or cell-free body fluids Sample Volume Range 100-200 uL
T-Pro FastEZ Purix Tissue DNA Extraction Kit	JZ88-T004	1 kit (36 extractions) including all required plastic disposables	For extracting genomic DNA from a variety of animal tissues, paraffin-embedded tissues, swab and blood stain Sample Volume Range 100-200 uL
T-Pro FastEZ Purix Cultured Cell DNA Extraction Kit	JZ88-T005	1 kit (36 extractions) including all required plastic disposables	For extracting genomic DNA from up to 5x10 <sup>6</sup> cultured cells Sample Volume Range 100-200 uL
T-Pro FastEZ Purix Bacterial DNA Extraction Kit	JZ88-T006	1 kit (36 extractions) including all required plastic disposables	For extracting genomic DNA from Bacteria Sample Volume Range 100-200 uL