



TORONTECH

AUTOMATED NUCLEIC ACID EXTRACTOR - TT- E320T



Automated Nucleic Acid Extractor - TT-E320T is engineered for fast, precise nucleic acid extraction and purification. Utilizing advanced magnetic bead technology, it processes up to 32 samples simultaneously with unmatched efficiency and reliability.

APPLICATIONS

Designed to handle diverse sample types, the TT-E320T is ideal for extracting nucleic acids from plant and animal tissues, blood, bacterial cultures, plasmids, viruses, cell-free fluids, forensic samples, aquatic organisms, and fungi—making it a versatile tool for research and diagnostics.

FEATURES

1. **High Extraction Efficiency:** Delivers consistent, reliable results.
2. **Versatile Compatibility:** Supports a wide range of sample types.
3. **Fast Processing:** Shortens extraction times to improve workflow.
4. **Temperature Precision:** Ensures optimal conditions for every protocol.
5. **UV Sterilization:** Prevents cross-contamination for cleaner results.
6. **User-Friendly Design:** Simplifies operation with an intuitive interface.
7. **Customizable Programs:** Tailor protocols to meet specific needs.
8. **Cost-Effective Performance:** Combines affordability with high-quality output.
9. **Broad Applications:** Ideal for research, clinical, and forensic environments.
10. **Dedicated Support:** Expert assistance to maximize productivity.

The TT-E320T offers a seamless blend of innovation, performance, and reliability, empowering laboratories to achieve superior results with ease.

TECHNICAL SPECIFICATIONS

Model	TT-E320T
Product Description	Automated nucleic acid extractor with 32 magnetic rods & 7-inch touchscreen
Sample Capacity	32 Samples
Processing Volume	20-1000 µL
Compatible Plates	96 deep well plate
Uniformity Yield of Wells	CV ≤ 3%
Extraction Efficiency	≥95%
Operating Temperature	10-40°C
Heating Temperature	Range from room temperature to 80°C
Mixing Step	3-stage adjustable, and the travel distance can be set according to the reagent volume
Disinfection/Decontamination	UV light
Reagent Type	Magnetic bead-based
Extraction Time	30-60 minutes per run depending on the reagent kits
Power Supply	120V, 60Hz, 200VA
Footprint (W x D x H)	40.0 x 42.0 x 44.0 cm
Weight	25 kg



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