

INTRODUCTION

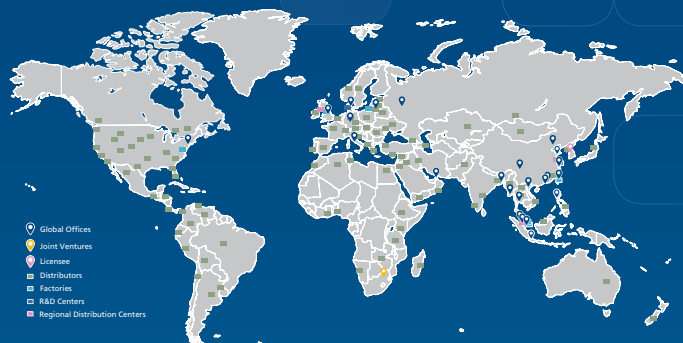
Spin-column based and manual extraction systems require repetitive pipetting steps that can introduce human errors into the extraction process. This may cause false positives and negatives which could impact patient management.

Automated nucleic acid extraction systems provide robust solution for more consistent and reliable nucleic acid extracts.

List of Applications

- DNA extraction
- RNA extraction

ESCO LIFESCIENCES GROUP 42 LOCATIONS IN 21 COUNTRIES ALL OVER THE WORLD

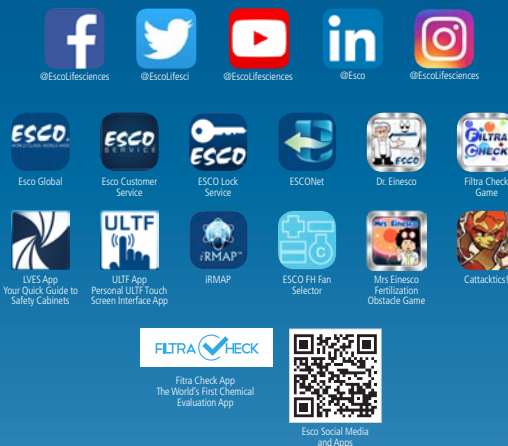


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Esco Swift™ Extract Automated Nucleic Acid Extraction System



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Esco Swift™ Extract Automated Nucleic Acid Extraction System



PRINCIPLE

Nucleic acids such as DNA or RNA bind to microscopic magnetic beads found in the accompanying nucleic extraction kit*. A series of steps is involved to (1) lyse the cells containing the nucleic acids, (2) wash away impurities, and (3) release the extracted DNA or RNA from being bound to the magnetic beads in the kit.

**for use with compatible extraction kit*

KEY FEATURES

High Extraction Efficiency

Collection efficiency of up to 98% compared to average market efficiency of 95%.

High Temperature Accuracy

Deep-well heat block accurate heating of wells for effective lysing of cells.

Safe for use

8-strip consumable for placement on rods to prevent cross-contamination and UV light-enabled for decontamination.

User-friendly UI

Real-time display of running program for easy monitoring of extraction protocol.

Versatile blocks and rods

Blocks allow for upgrading to higher throughput.

Standard programs

Capable of storing programs for easy setup of routing protocols.

SPECIFICATIONS

Swift™ Extract, Automated Nucleic Acid Extraction System

Sample Capacity	32 samples
Sample volume	20-1000 µl
Applicable Consumables	96 deep well plate + 8-tube strip
Uniformity Yield of Wells	CV < 3%
Extraction efficiency	≥ 98%
Operating Temperature	10-40°C
Heating Temperature Control	Lysis and Elution step: 5-125°C
Mixing step	Multiple modes, multiple speed, adjustable
Disinfection / Decontamination	UV Light
Reagent Type	Magnetic bead-based
Communication Interface	USB compatible
Power Supply	100-240 V, 50/60 Hz, 600 W
Dimension (L x W x H)	430 x 395 x 435 mm
Weight	32.5 kg

ORDERING INFORMATION

PRODUCT	Swift™ Extract
Item Code	2210040
Model	SWT-EXT-32, 100-240 VAC
Description	Swift™ Extract, Automated Nucleic Acid Extraction