Bring Technology to Life

TIAN LONG

GeneMix Pro

Automatic Sample Processing System

Automated capping/decapping for sample tubes

Sample pipetting and dispensing

Sample information scanning

Automatic mixing of samples

Proteinase K/ Internal control loading

Maintain sample integrity with a hands-free method of capping and decapping tubes quickly and easily with the Tianlong GeneMix Pro Automatic Sample Processing System. Designed for automating laboratory workflow, GeneMix Pro can process 96 samples within 20min and free professionals from tedious mechanical operations.

The workflow includes automated uncap/recap for sample tubes, sample pipetting and dispensing, Proteinase K/Internal reference reagent loading, automatic mixing of sample tubes. GeneMix Pro can automate laboratory workflow and improve efficiency and safety for medical professionals.

Features

❖ **Automate laboratory workflow**
With an automated sample preparation process, 96 samples can process within 20 minutes from sample tube scanning to deep well plate scanning

❖ **Highly compatible**
Compatible with the various specification of sampling tubes and deep-well plates, ready for use with customized specification

❖ **Easy of use**
"Sample - rack - plate" information scanning automatically, sample to result in closed-loop management can save time and minimize human error

❖ **Superior sample protection**
With built-in UV light disinfection in the experimental chamber, drop catcher technology and an enclosed design with an internal negative pressure system to ensure sample integrity

Specification

Product Name	Automatic Sample Processing System-GeneMix Pro
Throughput	96
Handling Time	≤20 minutes for 96 samples
Compatible Sampling Tubes	-Diameter: 13-19mm; Height: 55-115mm -Compatible with 5mL, l0mL and 20mL screwcap sampling tubes; -5-in-l, 10-in-l mixed sampling tubes direct load with cap; -Direct loading with cap for sampling tubes with swab; -Preset with conventional standard sampling tubes, ready for use with customized sampling tubes specifications
Compatible Deep-Well Plates	-6*16T standard lmL deep-well plates -1*96T standard lmL deep-well plates -Compatible with 3mL deep-well plates (including 3 * 8T 3mL large-system deep-well plates of Tianlong) -Preset with conventional standard deep-well plates, ready for use with customized deep-well plates specifications
Pipetting	-Dual independent pipetting modules -Pipetting volume: 5 -1000 μL -Liquid level sensor -Pipetting volume detection
Pipetting Accuracy	5 μL~50 μL: Er: ≤3.5% 50 μL~200 μL: Er: ≤2.5% ≥ 200 μL: Er: ≤2.0%
Pipetting Repeatability/CV	5 μL~50 μL: CV: ≤ 2.5% 50 μL~200 μL: CV: ≤ 1.5% ≥ 200 μL: CV: ≤ 1.0%
Smart Information System	-Sampling tube information scanning (ID code & QR code) -Deep-well plate status identification (open system) /information scanning (Tianlong system) -Automatic barcode scanning of sample racks -"Sample - rack - plate" PCR information scanning, "sample to result" in closed-loop management
Touch Screen	12.1 inch LCD touch screen
Internet Port	USB 3.0/Ethernet port
Dimensions	1130mm(L) x780mm(W) x 920mm(H)
Net Weigh	200Kg
Power Supply	Voltage: 100 - 240 V; Frequency: 50/60HZ; Rated power: 600VA
Temperature	15°C-35°C
Relative Humidity	35%RH-70%RH, non-condensing
Atmospheric Pressure Range	56-106Kpa (Altitude ≤ 4000m)

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