

ZiXpress

Zinexts Magnetic Pillar DNA Isolation Technology



Flexible Extraction Beyond Imagination





Zinexts Life Science has become a leading biotechnology company that is designing, developing and manufacturing a wide array of reliable, user friendly and cost effective molecular biology laboratory solutions for clinical diagnostic , life sciences and research.

We have built up a distributor network in more than 50 countries in Americas, Asia Pacific, Middle East, Africa and Europe. In addition, we have more than 1500 systems all over the world.

10 Year Experience

Integrity
Innovation
Efficiency
More than 10 Patents

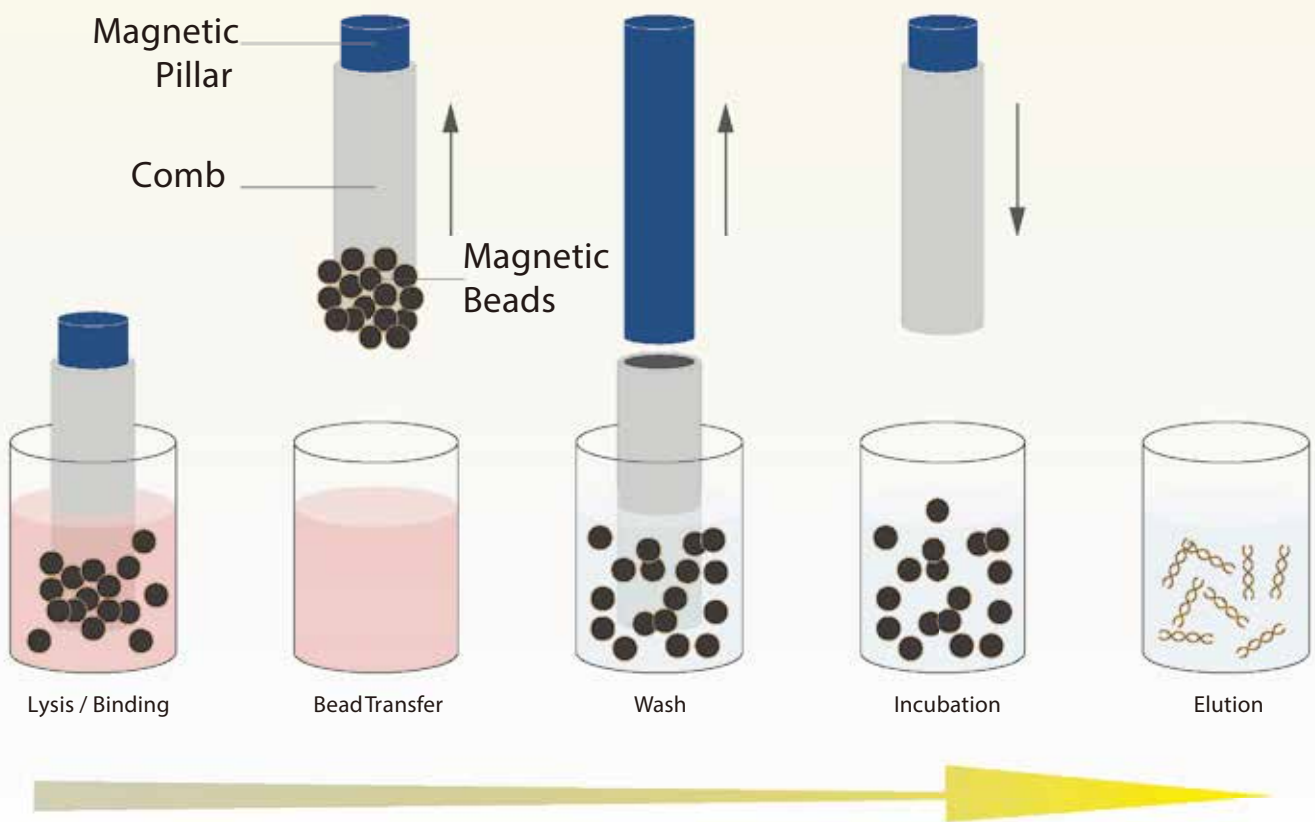
>1500 Instrument Over The World

OEM/ODM
Molecular Assay System and Reagent Development
Firmware/Software Development
System Optimization
Bulk Reagent Manufacturing

2 Quality Certification

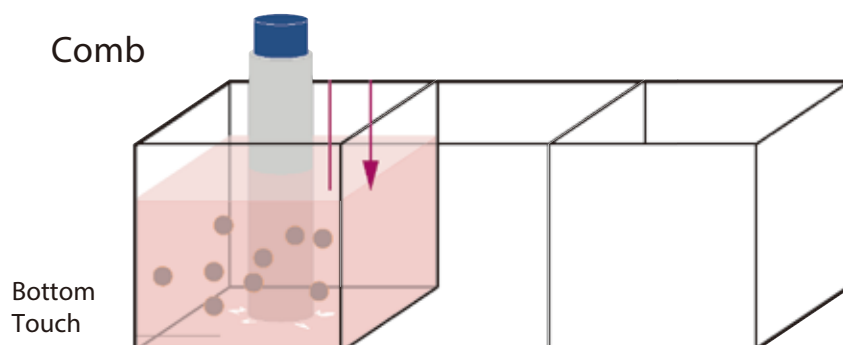
ISO 13485
GMP

Zinexts Magnetic pillar Technology



Bottom Touch Technology

The comb accurately touch plat's well bottom in every mixing move step, excellent mixing efficiency that provide high quality extraction performance.



1. The outstanding efficiency of mixing magnetic beads in each step.
2. To prevent the magnetic beads aggregate
3. Each well output is consistent and high quality.

Application



Six unique protocols for nucleic acid extraction



ZiXpress® product lines are suitable for nucleic acids purification from a variety of biological samples, which are essential and broadly used in many molecular biology downstream applications such as, genetic screening, sequencing, food safety, forensic, etc.

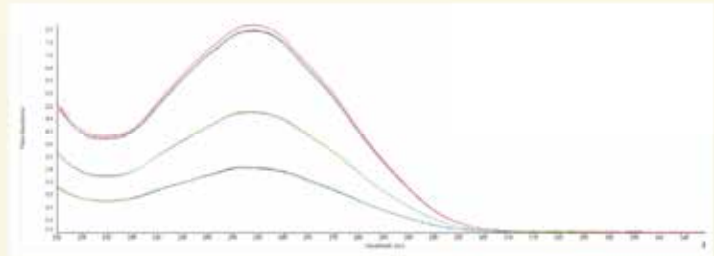
Protocol and Kit Type	Sample Type	Nucleic Acid
Viral	Serum, Plasma, Cerebrospinal fluid (CSF), Cell free body fluids or Clinical Swab samples	DNA/RNA
Bacterial	Bacterial suspension culture, Bacterial plate culture, Viscous samples, Swab samples	DNA
Blood	Mammalian Whole blood, Buffy Coat, Leukocyte Concentration	DNA
Tissue	Skeletal Muscle Tissue / Dried Swab	DNA

Convenient & User-friendly	High throughput & short turnaround time 32 or 64 test/run, 10-42min/ run	✓
	Ready-To-Go Solution with prefilled or non prefilled 96 well plate cartridges and consumables	✓
	Easy-To-Use User Interface multi-language & intuitive UI with 7" Touchscreen - no external PC required	✓
	Ergonomic Instrument Design compact & light bench top instrument - fits in any laboratory	✓
Technology & Performance	Providing Touch technology It provides high quality extraction performance.	✓
	Optimized Magnetic Pillar - Technology for reliable and reproducible extraction results	✓
	Perfect Match of Magnetic Particle Separation with Zinexts Life Science's High-Class Magnetic Beads ZiBeads®	✓
	Customizable Open System Platform Fully editable protocols for the use of third-party reagents	✓
Versatile & Cost Effective	Fully editable protocols for use with third-party reagent get the most out of your money	✓

Performance data

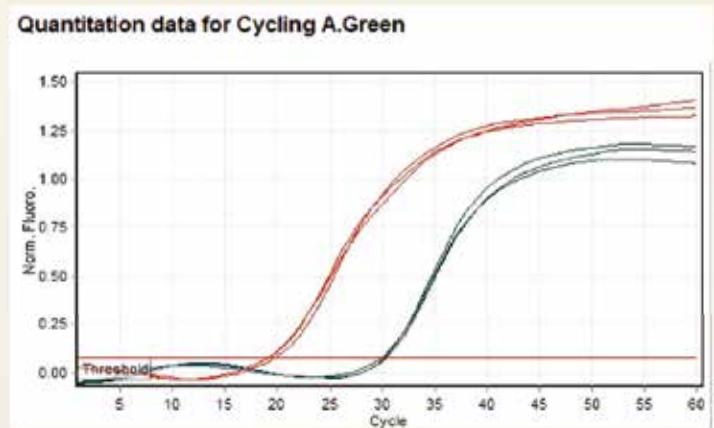
Quality and Linearity

DNA was purified by using the ZiXpress® Instrument and Tissue gDNA extraction Kit using three different weights of skeletal muscle: 12.5 - 40 mg. The DNA concentration was measured using a NanoDrop® 2000 spectrophotometer. The range of DNA yield of the ZiXpress® Tissue gDNA Extraction Kit is 9 - 36 µg



Measure DNA concentration by NanoDrop® 2000 spectrophotometer

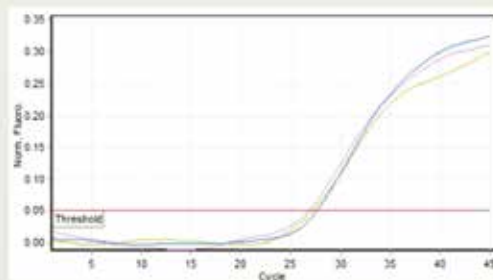
To dilute *Staphylococcus aureus* (ATCC27154) in range of 10^6 and 10^3 cell/ml. 200 µl sample in 3 repeats were extracted and eluted in 100 µl. 25 µl of elution was used to detect *Staphylococcus aureus* specific gene by SYBR Green real-time PCR reaction.



The result of *Staphylococcus aureus* real-time PCR

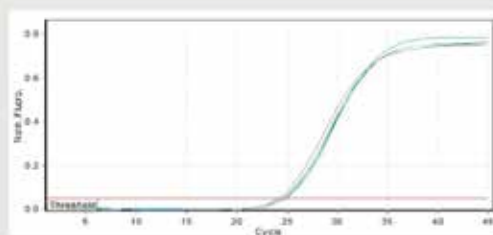
Reproducibility

Quantitation data for Cycling A.Green



Using HBV serum from patients as sample to extract Viral DNA by ZiXpress® Viral DNA/RNA Extraction Kit. 200 µl sample was extracted and eluted in 100 µl. 30 µl elution was used for real-time PCR by AmpliSens® HCV/HBV/HIV-FRT PCR kit. Three repeat samples can be detected, proving the excellent reproducibility of the isolation procedure.

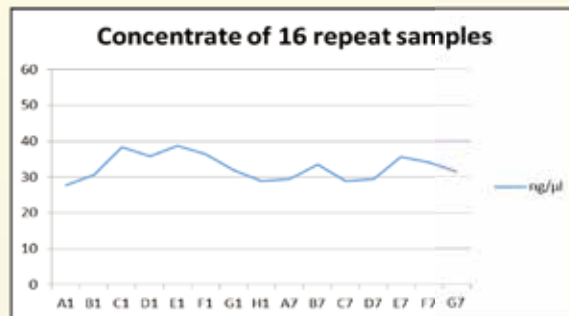
Quantitation data for Cycling A.Green



Using HCV serum from patient as sample to extract Viral RNA by ZiXpress® Viral DNA/RNA Extraction Kit. 200 µl sample was extracted and eluted in 100 µl. 30 µl elution was used for real-time PCR by AmpliSens® HCV/HBV/HIV-FRT PCR kit. Three repeat samples can be detected, proving the excellent reproducibility of the isolation procedure.

Stability - Each Well Output Consistent Quality

DNA was purified by using the ZiXpress® Purification Instrument and Whole Blood gDNA extraction Kit using 16 repeat human whole blood (in EDTA-K2 collection tube). The DNA concentration was measured using a NanoDrop® 2000 spectrophotometer. The range of DNA yield of the ZiXpress® Whole Blood gDNA Extraction Kit is 1.4 - 8.7 µg (from the blood sample WBCs counts: 1.8 - 10.8 x 10³ cells/ml).



Specification		ZiXpress 32	ZiXpress 64
GENERAL SPECIFICATION	Dimensions	36 cm L x 44 cm W x 48 cm H	36 cm L x 72 cm W x 49 cm H
	Weight	25 kg	38kg
	Throughput	32 tests/run	64 tests/run
	Power Supply	AC 100-240V, 50/60 Hz 400VA, UPS	AC 100-240V, 50/60 Hz 500VA, UPS
	Display	7" inch color Touch Panel	
	Cat. No.	ZP01013	ZP01014
EXTRACTION FEATURES	Sample Volume	200 µl	
	Elution Volume	100-1000 µl	
	Processing Time	10-42min	
TECHNOLOGY AND SAFETY	UV Decontamination	✓	✓
	Door Sensor	✓	✓
	Bottom Touch	✓	✓

Order Information		
Cat. No.	Name	Description
ZP01013	ZiXpress 32	Fully editable clinical sample preparation system for rapid purification on nucleic acids from 1-32 biological samples simultaneously.
ZP01014	ZiXpress 64	Fully editable clinical sample preparation system for rapid purification on nucleic acids from 1-64 biological samples simultaneously.
Kit		
Cat. No.	Name	Package
ZP02201 ZP02205	ZiXpress Viral DNA/RNA Extraction Kit ZiXpress Viral RNA Extraction Kit	Prefilled plates, for 96 tests (8 tests/plate) *ZP02205 Not available
		Prefilled plates, for 192 tests. (16 tests/plate) Non prefilled, 960 tests in bottle format
ZP02202	ZiXpress Bacteria Genomic DNA Extraction Kit	Prefilled plates, for 96 tests (8 tests/plate) Prefilled plates, for 192 tests. (16 tests/plate) Non prefilled, 960 tests in bottle format
		Prefilled plates, for 96 tests (8 tests/plate) Prefilled plates, for 192 tests. (16 tests/plate) Non prefilled, 960 tests in bottle format
ZP02203	ZiXpress Whole Blood Genomic DNA Extraction Kit	Prefilled plates, for 96 tests (8 tests/plate) Prefilled plates, for 192 tests. (16 tests/plate) Non prefilled, 960 tests in bottle format
		Prefilled plates, for 96 tests (8 tests/plate) Prefilled plates, for 192 tests. (16 tests/plate) Non prefilled, 960 tests in bottle format
ZP02204	ZiXpress Tissue Genomic DNA Extraction Kit	Prefilled plates, for 96 tests (8 tests/plate) Prefilled plates, for 192 tests. (16 tests/plate) Non prefilled, 960 tests in bottle format
		Prefilled plates, for 96 tests (8 tests/plate) Prefilled plates, for 192 tests. (16 tests/plate) Non prefilled, 960 tests in bottle format

ZiXpress is open platform, we supply flexible package with all reagent and consumables



Zinexts Magnetic Pillar DNA Isolation Technology

ZiXpress® is an open magnetic pillar aNAP platform, based on our high-class Magnetic Beads ZiBeads®, it will offer scientists as well as Laboratory Managers with a reproducible performance at an affordable oriented price structure. This reliable platform offer users the freedom to operate it with optimized prefilled reagent kit / non-prefilled consumables. With possibility of editable protocols, it is perfect for the use in labs of any kind of industry. The high accuracy of ZiXpress® makes it also more useful in the clinical diagnosis.





Zinexts Life Science Corp.

16F., No. 93, Sec. 1, Sintai 5th Rd., Sijhih Dist., New Taipei City, Taiwan 221416 (R.O.C.)

Tel: +886 2 2246 3579
Fax: +886 2 2243 8570

General Inquiries:
info@zinexts.com

Sales Inquiries:
sales@zinexts.com