

Specification

iCATCHER 12

Throughput	1-12
Sample volume	200 to 5000 μ l
Elution volume	30 to 200 μ l
Principle	Silica-Membrane Column
User interface	<ul style="list-style-type: none"> 7 inch WVGA TFT LCD Touch Screen Resolution 800 x 480 65,536 colors
Hardware	<ul style="list-style-type: none"> Heat block A x 1: room temp. ~90 °C (adjustable) Heat block B x 1: 75 °C (fix) Cartridge Rack x 1 White LED x1 UV Light x1 : 254 nm
Software	<ul style="list-style-type: none"> Graphic interface Preinstalled and optimized protocol
Dimensions	W71 x D70 x H69 cm
Weight	100 Kg
Voltage	110V / 220V
Working Temp.	18°C to 30°C



iCATCHER 12

Automated Liquid Biopsy Extractor



Order Information

Cat. No.	Product
System	
IC-12	iCATCHER 12 Automated Liquid Biopsy Extractor
DNA	
AD10060	iCatcher Cell/Blood DNA Kit
AD11060	iCatcher Buccal Swab/Saliva DNA Kit
AD20060	iCatcher Tissue DNA Kit
AD21060	iCatcher FFPE Tissue DNA Kit
AD22060	iCatcher Stool DNA Kit
AD23060	iCatcher Soil DNA Kit
AD24060	iCatcher Oil DNA Kit
RNA	
AR10060	iCatcher Blood RNA Kit
AR20060	iCatcher Tissue RNA Kit
AR21060	iCatcher FFPE Tissue RNA Kit
AR30060	iCatcher Plant RNA Kit
TNA (Total Nucleic Acid)	
AT10060	iCatcher Viral DNA/RNA Kit
AT11060	iCatcher Exosome DNA/RNA Kit
CNA (Circulating Nucleic Acid)	
AC10060	iCatcher Serum/Plasma cfDNA Kit
AC11096	iCatcher Urine cfDNA Kit
AC20060	iCatcher Serum/Plasma miRNA Kit
AC21060	iCatcher Exosome miRNA Kit



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Super High Concentration Ratio

Excellent Yield of Rare Nucleic Acid

Simple · Stable • Very Easy for Use

Explore Liquid Biopsy with iCATCHER



Formerly, people had to offer the biopsy specimens for clinical analyses of cancer detection which collected by biopsy forceps. It's not only needed to perform a surgery but also risk of massive bleeding. Recently, More and more evidence shows Circulating cell-free DNA (cfDNA) is a promising biomarker for noninvasive assessment of cancer burden. However, in the past two decades, people focused on how to increase the sensitivity of different detection assay or system. Now the bottleneck shift to nucleic acid purification. Because, if we can't catch cfDNA, even the sensitivity is extreme high, we still can't detect anything.

Why iCATCHER can catch more



High Concentration Ratio
5 ml Sample In, 30 μ l Eluate Out.



High Recovery Rate
Catch cfDNA by "Membrane" fishing net, instead of "Bead" fishing hook.



High Yield
Optimized Porous & Two-Sided Silica Membrane.

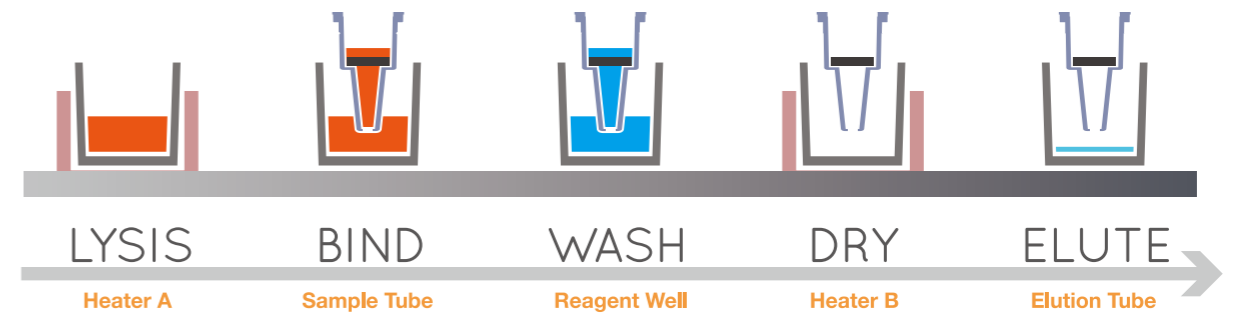


High Purity
Flush Away Washing, Like take a shower, wash all inhibitors away.



Low Inhibition
Dry out membrane to eliminate ethanol by heating.

Workflow



Intuitive setup procedure / interface



Setup So Easy
Prefilled reagent cartridges and ready to use directly.



Easy to Cleanup
All waste dispense back to tube or cartridge, no extra clean procedure.

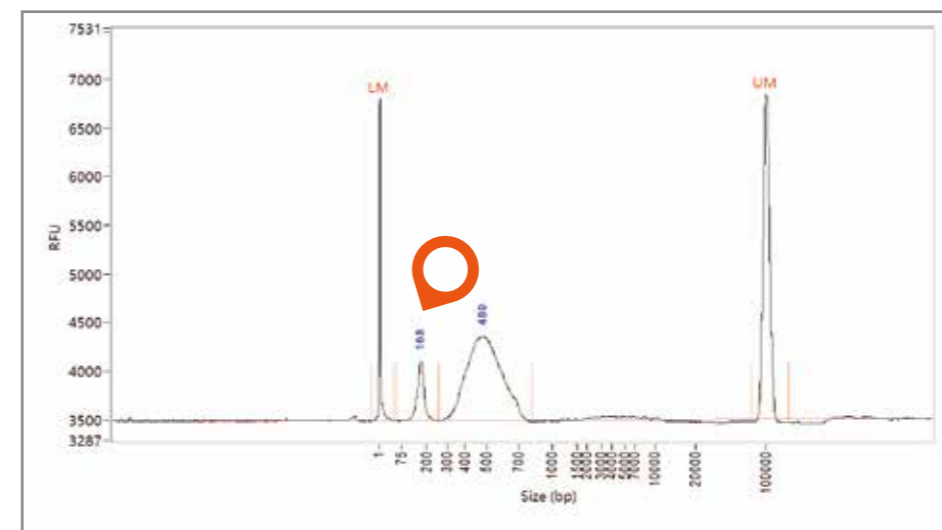


Ease of Use
Build in 7" touch screen with graphic interface.

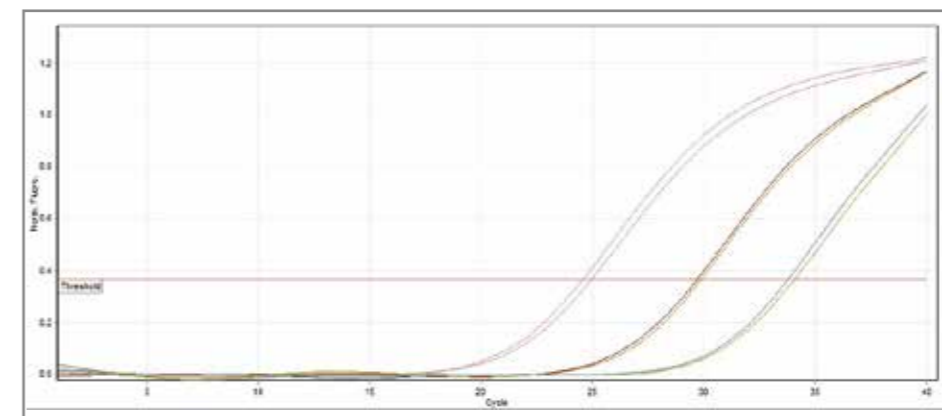


Linear Workflow
One sample in one line, avoid cross-contamination.

Performance



cfDNA were purified by iCATCHER from 3ml serum sample then ran capillary electrophoresis on AATI fragment analyzer. iCATCHER can catch clear and sharp peak of cfDNA.



Eluate performed qPCR with serial dilution to see if there is any inhibitor remaining in eluate. qPCR data shows high linearity ($R^2 > 0.99$) which means almost no inhibitors in eluate.