

Specification

iCATCHER 12

Throughput	1-12
Sample volume	250 to 4000 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: 70 °C (fix) Cartridge Rack x 1 White LED x1 UV Light x1 : UVB 280-320 nm
Software	<ul style="list-style-type: none"> Graphic interface Preinstalled and optimized protocol
Dimensions	W71 x D72 x H73 cm
Weight	100 Kg
Voltage	100V - 240V
Working Temp.	18 °C to 40 °C



iCATCHER 12

Automated Nucleic Acid Purification System



Order Information

Cat. No.	Product
System	
IC1200	iCATCHER 12 Automated Nucleic Acid Purification System
DNA	
AD10025-36	iCatcher DNA 250 Kit
AD10100-36	iCatcher DNA 1000 Kit
AD10400-36	iCatcher DNA 4000 Kit
AD21025-36	iCatcher FFPE Tissue DNA Kit
AD22025-36	iCatcher Stool DNA Kit
AD30025-36	iCatcher Plant DNA Kit
RNA	
AR10025-36	iCatcher RNA 250 Kit
AR10100-36	iCatcher RNA 1000 Kit
AR10400-36	iCatcher RNA 4000 Kit
AR21025-36	iCatcher FFPE Tissue RNA Kit
AR22025-36	iCatcher Tissue miRNA Kit
AR30025-36	iCatcher Plant RNA Kit
TNA	
AT10100-36	iCatcher VB DNA/RNA 1000 Kit
CNA	
AC10100-36	iCatcher Circulating cfDNA 1000 Kit
AC10400-36	iCatcher Circulating cfDNA 4000 Kit
AC20025-36	iCatcher Circulating cfRNA 250 Kit
AC20100-36	iCatcher Circulating cfRNA 1000 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
4 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.

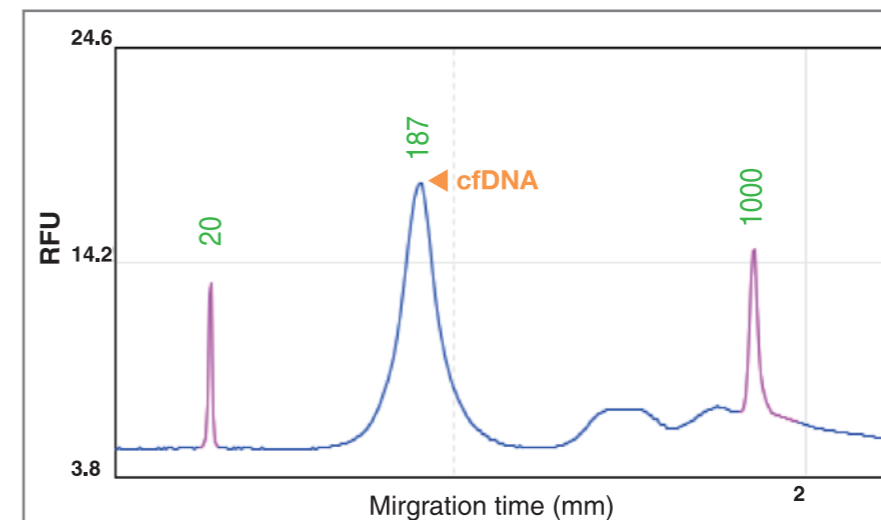


Ease of Use
Build in 7" touch screen with graphic interface.

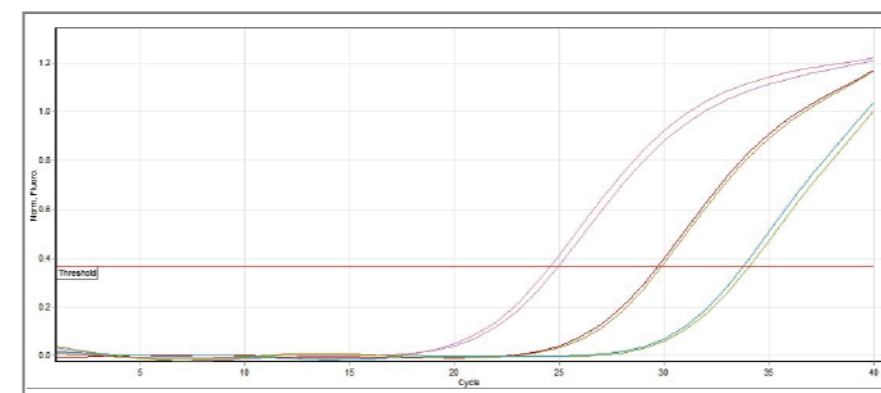


Linear Workflow
One sample in one line, avoid cross-contamination.

Performance



cfDNA were purified by iCATCHER from 4ml plasma sample then ran capillary electrophoresis on BiOptic Qsep 1. 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 (R² > 0.99) which means almost no inhibitors in eluate.