

# HiPure Circulating DNA Kit (IVD3182)

Isolation circulating DNA from 1-5ml plasma, serum, body fluids

**High yield**

Most optimal process, free DNA (>50bp) can be obtained to the maximum extent



Free-circulating nucleic acids, such as tumor-specific extracellular DNA fragments and mRNAs in the blood or fetal nucleic acids in maternal blood, are present in serum or plasma usually as short fragments, <1000bp (DNA).

HiPure Circulating DNA Kit enables efficient purification of these circulating nucleic acids from human plasma, serum, or urine. The extracted products can be used for clinical in vitro detection.

## Specifications

<i>Sample amount</i>	1-5 ml	<i>Liquid carrying volume per column</i>	4ml
<i>Elution volume</i>	≥50μl	<i>Binding yield of column</i>	1mg
<i>Time per run</i>	≤60 minutes		

**High concentration**

Low elution volume, ensuring high nucleic acid concentration

**High purity**

Low alcohol binding, completely removing inhibitor and protein pollution

**High recovery**

DNA can be recovered at the level of PG by silica gel column purification

Overall solution for Cancer/Liquid Biopsy/NIPT/NIPPT



**Magen** ---Expert in Biological Sample Preparation



**Magen Biotechnology Co., Ltd**  
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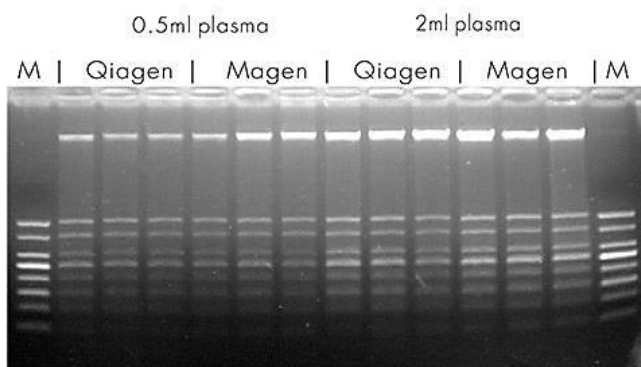
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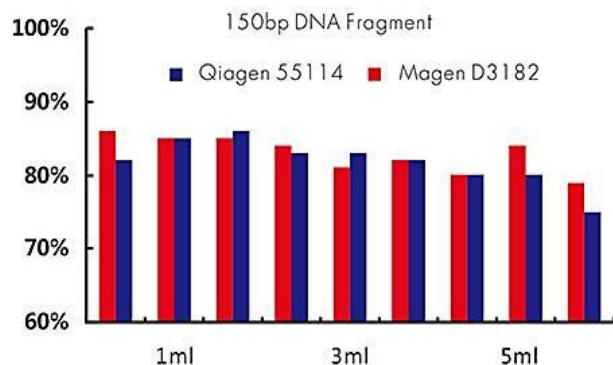
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## Experiment Data

HiPure Circulating DNA Kits Vs Qiaamp Circulating NA Kit(55114)  
DNA fragment recovery comparison

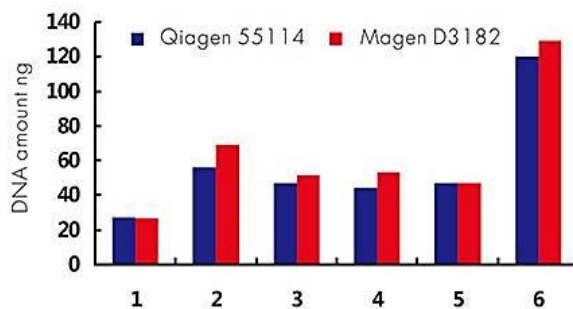
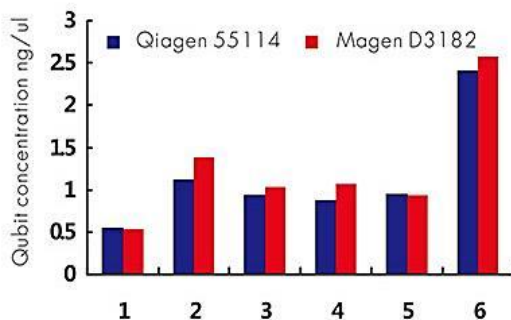


Add 100bp DNA Marker into 0.5ml and 2ml pig plasma, extract DNA by HiPure Circulating DNA Kit (IVD3182) and QIAamp Circulating Nucleic Acid Kit (55114), then run DNA on Agarose gel. Results show that two kits get similar DNA yield.



Add 400ng 150bp DNA fragment into 1ml, 3ml and 5ml plasma, extract DNA by Qiagen #55114 and Magen IVD3182, then quantitative DNA by Aligent 2100 and calculate DNA fragment recovery rate. Results show that two kits get similar DNA yield, both are >80%.

Human plasma DNA extraction comparison



Use Qiagen #55114 and Magen #D3182-03C extracting cfDNA from 6 human plasma samples (4ml). Elute purified DNA by 50ul Buffer TE. Testing DNA concentration and amount by Qubit. Results show that Magen IVD3182 gets higher DNA yield than Qiagen #55114.

## Ordering Information [Contact us for free sample](#)

CAT NO	PRODUCT NAME	SIZE	PRICE
IVD3182	HiPure Circulating DNA Kit	50 preps	\$547.00

**Magen** ----Ten years' exp. in Nucleic acid Extraction



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