

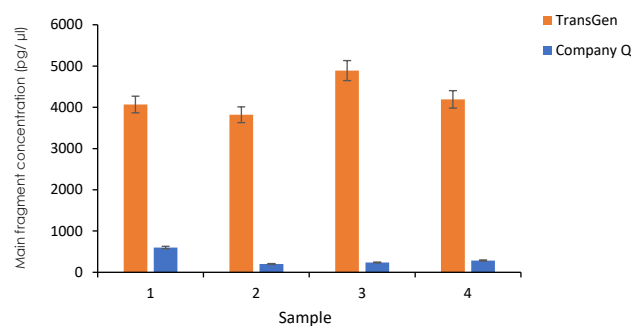
MagicPure[®] Cell-Free DNA Kit II

This kit lyses samples by enzymatic hydrolysis, and efficiently purifies cell-free DNA by specific adsorption of silica magnetic beads. It is suitable for isolating and purifying high-quality cell-free DNA from 0.5-10 ml serum or plasma. The extracted DNA can be used for PCR, qPCR, NGS, etc.

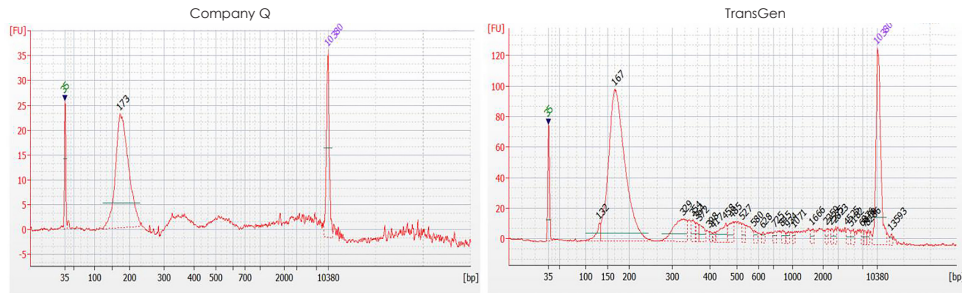
- › High concentration of the main fragment.
- › High efficiency of library construction.

Extraction Effect

The concentration of the main cfDNA fragments extracted by TransGen (detected by Agilent2100) is all higher than those of Company Q.



The amount of cfDNA extracted from 2 ml of plasma was determined by Qubit.



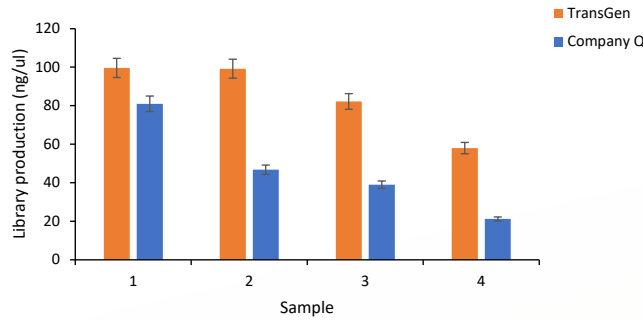
The concentration of cfDNA main fragments was analyzed by Agilent 2100.

The enrichment of cfDNA in fragment sizes between 90 and 150 bp is high and the selecting of 90-150bp fragments can improve the detection rate of tumor DNA. (Source: Mouliere F, Chandrananda D, Piskorz AM, et al. Enhanced detection of circulating tumor DNA by fragment size analysis[J]. Science translational medicine, 2018, 10(466)).

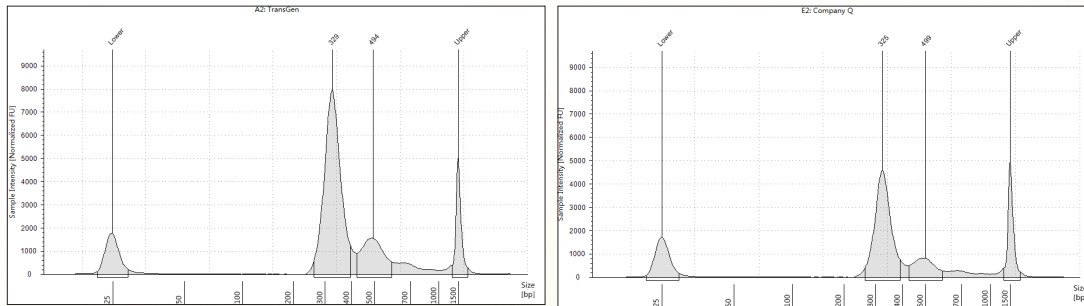
TransGen's main fragment is smaller than Company Q and has a higher coverage of 90-150 bp than Company Q, which helps to improve the detection rate of cfDNA and can better support tumor research.

Library Construction Analysis

The cfDNA extracted by TransGen and Company Q is used for sequencing library construction. Under the same number of PCR cycles, the cfDNA extracted by TransGen has high efficiency for subsequent library amplification.



The library concentration was determined by Qubit.



The library concentration was analyzed by Agilent 4200.

Product Name	Cat. No.	Specification
MagicPure® Cell-Free DNA Kit II (with Magnetic Stand)	EC211-01	50 rxns
MagicPure® Cell-Free DNA Kit II (without Magnetic Stand)	EC211-11	50 rxns

TRANSGEN BIOTECH CO., LTD.

Website www.transgenbiotech.com
Phone +86-10-57815030
Customer Service +86-400-898-0321
E-mail custserv@transgenbiotech.com
Complaints +86-10-57815020
complaints@transgen.com.cn

