

EpiQuik Circulating Cell-Free DNA Isolation Kit

For isolation of small fragment circulating cfDNA from plasma or serum

A análise genética e epigenética de DNA livre na circulação (cell-free DNA - cfDNA) no plasma/soro ou em outros fluidos corporais proporciona oportunidades únicas para a detecção precoce de uma vasta gama de desordens clínicas, tais como o câncer, doenças autoimunes, infecções e distúrbios fetais.

A Epigentek oferece um kit que permite isolar o cfDNA de forma fácil através de beads magnéticos.

O cfDNA isolado pode ser usado diretamente em ensaios de PCR e/ou para fazer bibliotecas de DNA para sequenciamento de última geração.

Advantages:

- Uses innovative magnetic bead based size-fractionation technology for selective isolation of circulating cell-free DNA from plasma/serum that is mainly 170 bps in size. The isolated DNA can be directly used for both qPCR and NGS DNA library preparation.
- Fast and straightforward procedure can be finished within 2 hours. No gels, columns or centrifugation is needed.
- Efficient removal of proteins, salts, nucleases, PCR inhibiting substances, and other impurities such as polysaccharides, polyphenols and lipids.
- Sensitive and efficient DNA capture enables successful isolation with high recovery (>80% of input mononucleosomal DNA), even when the quantities of starting material are limited (as low as 0.1 ml).
- Manual and automation friendly – Scalable for single tube or 96-well plate formats

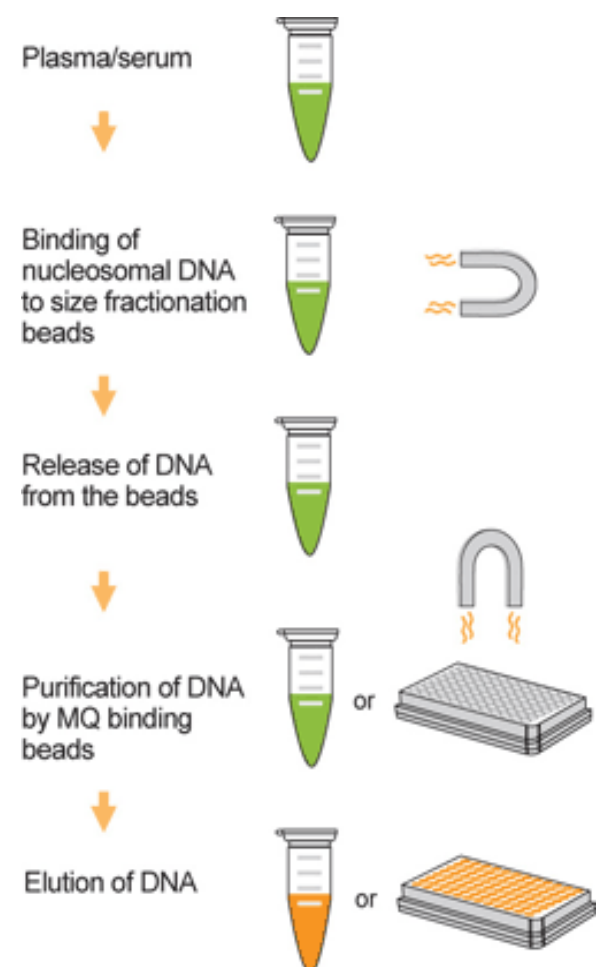


Fig. 1. Workflow of the EpiQuik™ Circulating Cell-Free DNA Isolation Kit.