

Certificate of Analysis for UltraPure cfDNA - Lot 1909011

Product: UltraPure cfDNA purified from human plasma

Source: Healthy donor; plasma tested and confirmed negative for HIV, HCV, and HBV

Donor gender: Female

Size: 50 ng

Concentration: 1 ng/ul

Volume: 50 ul

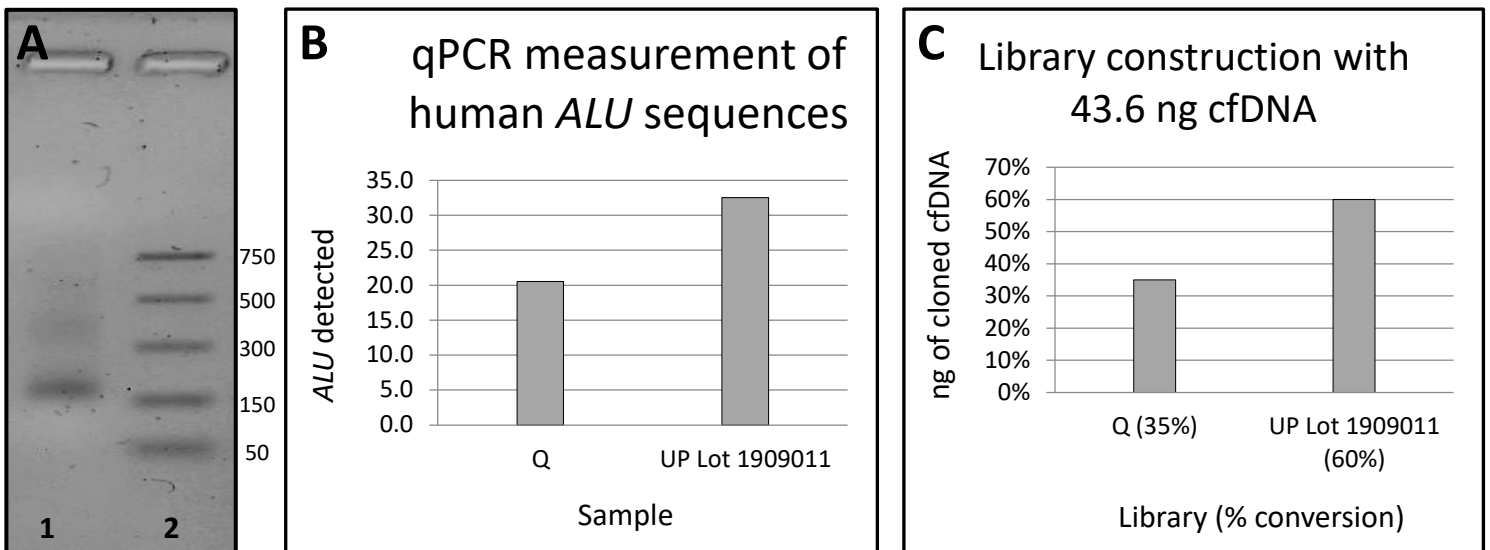
Buffer: 10 mM Tris pH8.0, 1 mM EDTA, 0.05% Tween-20

Storage temp: -20° C

Shelf life: ≥ 2 years

Analysis methods:

- Physical appearance: Agarose gel electrophoresis
- Performance with PCR: qPCR measurement of human *ALU* sequences
- NGS library construction: qPCR measurement of adaptor attachment
- Standard control: Purified cfDNA using Qiagen Circulating Nucleic Acids Kit (Q); cfDNAs were quantified using the Thermo Fisher Qubit instrument and reagents



Analysis of UP cfDNA. (A) 2% agarose gel. Lane 1: UP cfDNA. Lane 2: MW markers. The size in bp of the New England Biolabs PCR standard is shown on the right. (B) qPCR detection of human *ALU* sequences. The relative performance of equivalent amounts of Q vs. UP cfDNA is shown; the vertical scale is quantitative detection of *ALU* sequences. (C) NGS library construction in absolute yields. The qPCR assay measures the ligation efficiency of proprietary Ripple Biosolutions DNA adapters to cfDNA fragments.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS.



UltraPure cfDNA is produced in partnership with PlasmaLab International, your source for human plasma products.