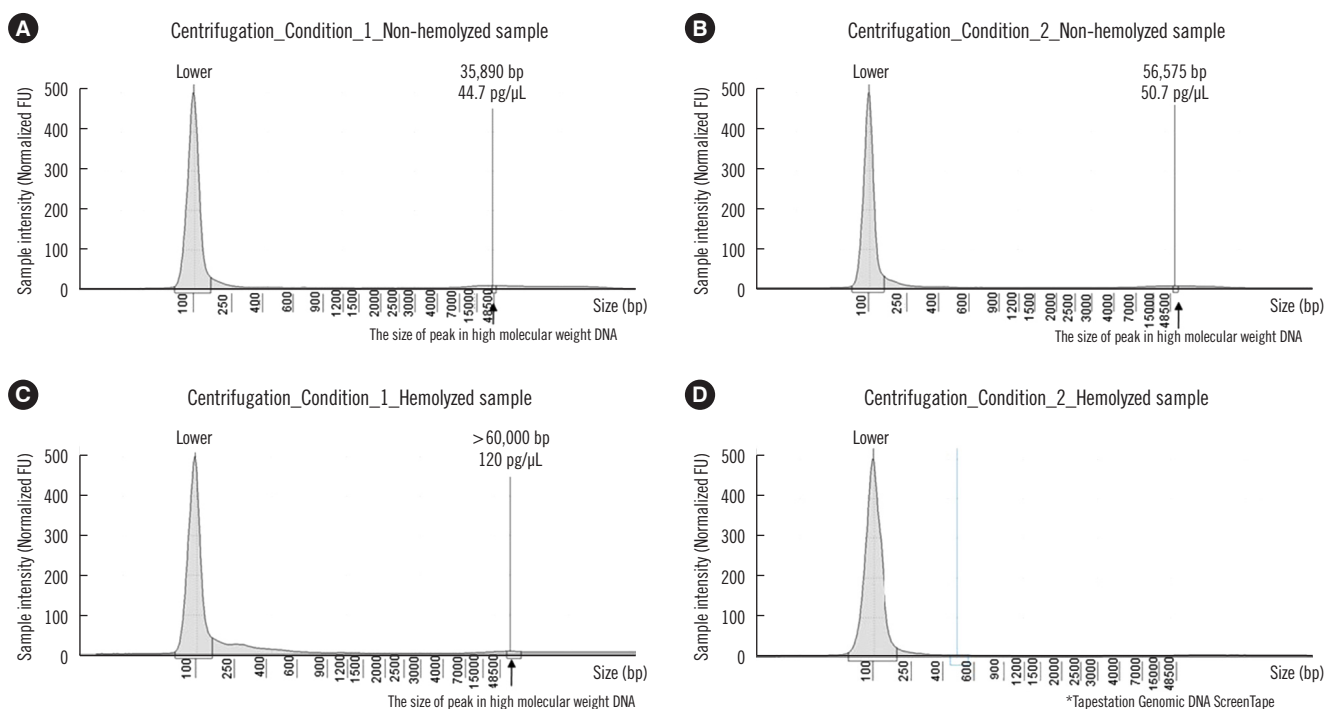


**Supplemental Data Figure S1.** Distribution and peak concentration of cell-free DNA (cfDNA) from non-hemolyzed and hemolyzed whole blood samples according to plasma process conditions. The cfDNA (~200 bp) was more abundant when using Centrifugation\_Condition\_2 than when using Centrifugation\_Condition\_1 in the non-hemolyzed sample (A, B). In hemolyzed samples (C, D), the peak of cfDNA (~200 bp) was higher when using Centrifugation\_Condition\_2 than when using Centrifugation\_Condition\_1.



**Supplemental Data Figure S2.** Distribution and peak concentration of the high-molecular-weight DNA. The amount of high-molecular-weight DNA in cfDNA was 44.7–50.7 pg/μL in non-hemolyzed samples (A, B). The degree of contamination with high-molecular-weight DNA rarely differed between Centrifugation\_Condition\_1 (A) and Centrifugation\_Condition\_2 (B). In hemolyzed samples (C, D), the degree of contamination of cfDNA with high-molecular-weight DNA was higher in Centrifugation\_Condition\_1 (C) than in Centrifugation\_Condition\_2 (D).