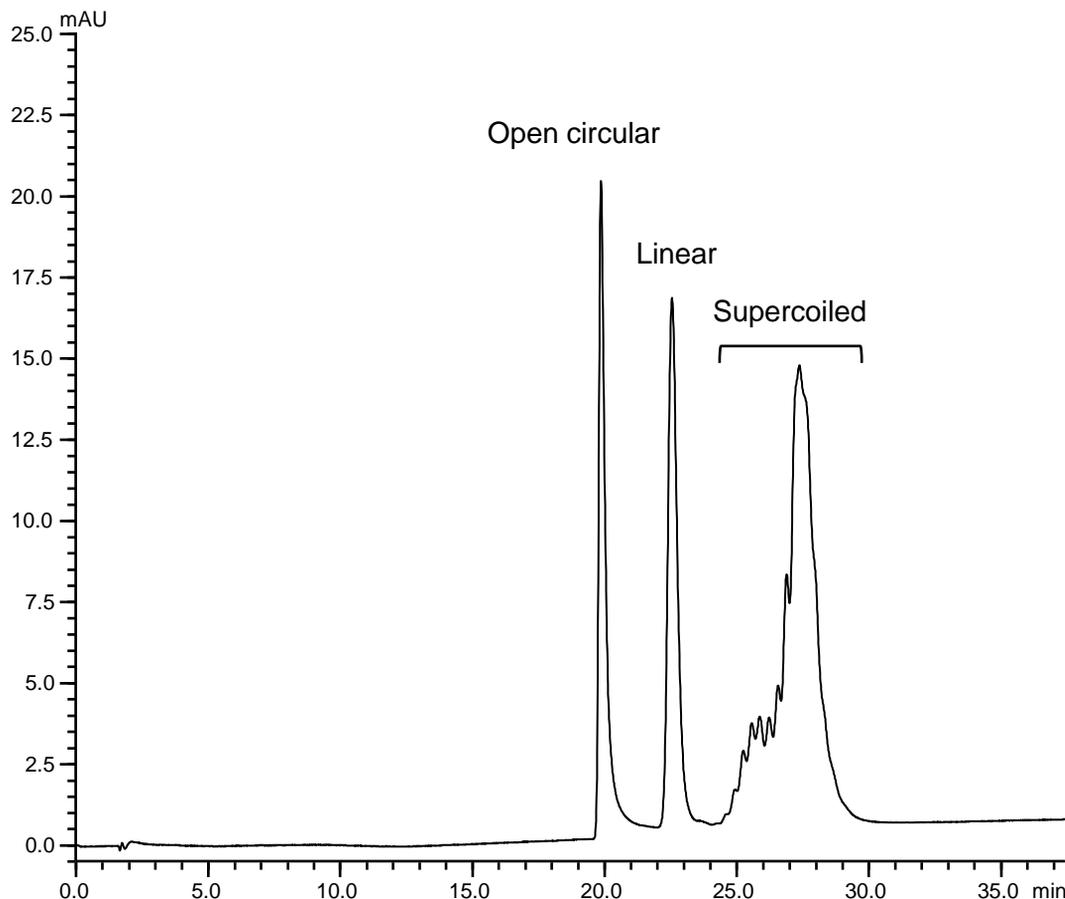


プラスミドDNA (pUC19) のアイソフォーム分離  
Separation of plasmid isoforms

AA231227F



Column : BioPro HIC BF (4  $\mu$ m)  
100 X 4.6 mmI.D.

Eluent : A) 50 mM Tris-HCl containing 2.5 M  $(\text{NH}_4)_2\text{SO}_4$  (pH 7.5)  
B) 50 mM Tris-HCl (pH 7.5)  
4%B (0–3.5 min), 4-20%B (3.5–30.7 min), 20%B (30.7–37.7 min)

Flow rate : 0.5 mL/min

Temperature : 25°C

Detection : UV at 260 nm

Injection : 9  $\mu$ L

Sample : Mixture of plasmid DNA (pUC19) isoforms in 2.0 M  $(\text{NH}_4)_2\text{SO}_4$  solution  
(open circular\*1: 33  $\mu$ g/mL, linear\*2: 33  $\mu$ g/mL, and supercoiled\*3: 83  $\mu$ g/mL)

\*1 pUC19 plasmid digested with nicking endonuclease Nt.BspQI

\*2 pUC19 plasmid digested with restriction enzyme BamHI

\*3 pUC19 plasmid extracted from *E. coli* (2686 bp)