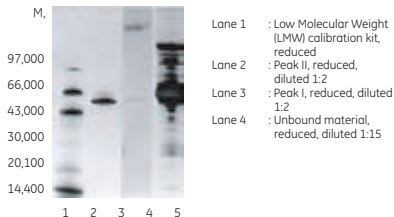
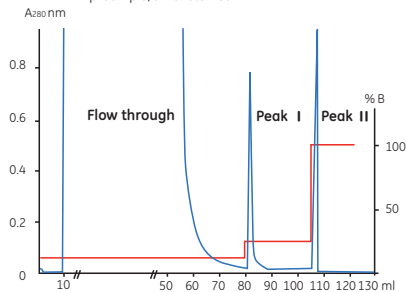


## ウシ血清中アンチトロンビンIIIの精製

**Sample** : 30 ml bovine plasma diluted with 15 ml 0.1 M Tris, 0.01 M citrate, 0.225 M NaCl pH 7.4  
**Column** : HiTrap Heparin HP, 1 ml  
**Flow rate** : 1.0 ml/min  
**Binding buffer (A)** : 0.1 M Tris, 0.01 M citric acid, 0.225 M NaCl, pH 7.4  
**Elution buffer (B)** : 0.1 M Tris, 0.01 M citric acid, 2 M NaCl, pH 7.4  
**Chromatographic procedure**  
 : 8 ml 12.5 % buffer B, 45 ml sample,  
 : 27 ml 12.5 % buffer B, 26 ml 25 % buffer B,  
 : 26 ml 100 % buffer B. 2.9 mg antithrombin-III was eluted in peak II  
**Electrophoresis** : SDS-PAGE, PhastSystem, PhastGel Gradient 8-25,  
 : 1  $\mu$ l sample, silver stained



## 組換え HIV 逆転写酵素の粗精製

**Sample** : 49 ml *E. coli* lysate (= 1 g cells) after passage through a 5 ml DEAE Sepharose Fast Flow column  
**Column** : HiTrap Heparin HP, 1 ml  
**Flow rate** : 1.0 ml/min  
**Binding buffer (A)** : 20 mM Tris-HCl, 1 mM EDTA, 1 mM 2-mercaptoethanol, 2 % glycerol pH 8.0  
**Elution buffer (B)** : Buffer A + 1.0 M NaCl, pH 8.0  
**Gradient** : Linear gradient 0-100 % buffer B, 25 ml  
**Electrophoresis** : SDS-PAGE, PhastSystem, PhastGel Gradient 8-25,  
 : 1  $\mu$ l sample, silver stained

