

# Zn<sup>2+</sup>をチャージしたIMAC Sepharose 6 Fast Flowによる精製のスケールアップ

|                |   |                                                                                                                                                          |
|----------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Columns        | : | HiTrap IMAC FF (1 ml and 5 ml) and HiPrep IMAC FF 16/10 (20 ml) charged with Zn <sup>2+</sup>                                                            |
| Sample         | : | 2.4, 12 and 49 ml of clarified <i>E. coli</i> extract containing 12.5, 62.4 and 255 mg r-BCA respectively                                                |
| Binding buffer | : | 20 mM sodium phosphate, 0.5 M NaCl, pH 7.4                                                                                                               |
| Elution buffer | : | 20 mM sodium acetate, 0.5 M NaCl, pH 4.0                                                                                                                 |
| Flow rate      | : | 150 cm/h in all cases                                                                                                                                    |
| Experimental   | : | After sample application, each column was washed with 20 column volumes (CV) Binding buffer followed by stepwise elution with 15 CV 100% Elution buffer. |
| Detection      | : | Absorbance, 280 nm                                                                                                                                       |

