



APPENDIX J

สำนักหอสมุด

Reagents for production of rabbit anti-human light chain polyclonal antibody

1. Reagent for preparing human immunoglobulin

1.1 saturated ammonium sulfate $(\text{NH}_4)_2\text{SO}_4$

This solution was prepared by dissolving 380 g of $(\text{NH}_4)_2\text{SO}_4$ in 500 ml of DW.

2. Reagents for protein A sepharose CL-4B affinity chromatography

2.1 Phosphate buffer (1 M PB, pH 8.0)

The ingredients for preparing this solution was the same to phosphate buffer preparation in **Appendix C** but the pH was adjusted to 8.0

2.2 Equilibrating buffer (0.01 M phosphate buffer, pH 8.0)

Ten milliliters of the 1.0 M PB, pH 8.0 and 50 ml of 3 M NaCl were dissolved in 900 ml of DW, then DW was added to make 1,000 ml.

2.3 Eluting buffer (0.1 M citric acid, pH 4.5)

Trisodium citrate ($\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot \text{H}_2\text{O}$) (10.507 g) was dissolved in 400 ml of DW. Then, the pH of the solution was adjusted to 4.5 with concentrate HCl and the volume was made up to 500 ml. The solution was filtered through 0.45 μm Millipore membrane before use.

2.4 Neutralizing buffer (2 M Tris-HCl, pH 9.6)

Tris base (24.2 g) was dissolved in 90 ml of DW, the pH was adjusted to 9.6 with concentrate HCl before the volume was adjusted to 100 ml.