



APPENDIX G

สำนักหอสมุด

Reagents for biopanning

1. 1x PBS, pH 7.4 (per one liter)

The following ingredients were dissolved in 900 ml of DW.

NaCl	8.0	g
KCl	0.2	g
Na ₂ HPO ₄	1.44	g and
KH ₂ PO ₄	0.24	g

The pH of the solution was adjusted to 7.4 with 1 M HCl. The volume was then made up to 1,000 ml and sterilized by autoclaving.

2. Blocking buffer (10% BSA)

This buffer was prepared just before use. BSA (10 g) was dissolved in 100 ml of PBS, pH 7.4.

3. PEG/NaCl solution

This solution was prepared by dissolving 20 g of PEG 8,000 and 14.61 g of NaCl in 100 ml of DW. The preparation was heated to completely dissolve all the ingredients. It was then autoclaved and stored at 4°C.

4. 2 M glucose

D-glucose (36 g) was dissolved in 70 ml of DW. The solution was sterilized by filtering through 0.22 µm Millipore membrane.

5. Coating buffer (carbonate-bicarbonate buffer, pH 9.6)

This solution was prepared as described in **Appendix D** for ELISA reagents.

6. PBS-T

Tween-20 was added to 1x PBS, pH 7.4 to make a 0.05% final concentration of the solution.