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| **PBS STOCK (1L)** |
| 1. Add salts to 500ml DI water in clean, autoclaved flask and completely dissolve salts.  * 27.4 g Na2HPO4 * 7.875 g NaH2PO4 \* H2O  1. Then add remaining 500ml of deionized water to complete the stock solution. 2. Adjust pH to 7.2 (NaOH or HCl) 3. Verify pH weekly or prior to use |

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| **PBS working solution (1L)** | **Wash Buffer (1L)** |
| * 960 ml DI water * 40 ml PBS stock * 8.5 g NaCl | * 999ml PBS working solution * 1 ml Tween 20   Adjust pH to 7.2 (NaOH or HCl)  Verify pH weekly or prior to use  One-month shelf life; Store at 4 °C |

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| **Blocking buffer (5% nonfat milk)** | | | |
|  | **PBS working solution** | **Tween 20** | **Nonfat dry Milk** |
| **1 L** | 999 ml | 1 ml | 50 g |
| **500 ml** | 500 ml | 500 µL | 25 g |
| **250 ml** | 250 ml | 250 µL | 12.5 g |
| \*Sanalac dry milk dissolves fastest  Adjust pH to 7.2 (NaOH or HCl)  Verify pH weekly or prior to use  One-month shelf life; Store at 4 °C | | | |

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| **Coating buffer (Carbonate-Bicarbonate Buffer)** | | | |
|  | **DI water** | **Sodium Carbonate (Na2CO3)** | **Sodium Bicarbonate (NaHCO3)** |
| **1 L** | 1 L | 5.3 g | 4.20g |
| **500 ml** | 500 ml | 2.65 g | 2.10g |
| **250 ml** | 250 ml | 1.32 g | 1.05g |
| **100 ml** | 100 ml | 0.53g | 0.42g |
| \*Sanalac dry milk dissolves fastest; Adjust pH to 9.6 (NaOH or HCl)  One-month shelf life; Store at 4 °C | | | |