|  |  |  |
| --- | --- | --- |
| **Composition of PBS solution** |  |  |
|  |  |  |
| **Buffer** | **Composition** | **Quantity** |
| Phosphate-buffered Saline (PBS) (1x) (1 L) | Sodium Chloride | 8 g |
| Potassium Chloride | 0.2 g |
| Sodium Phosphate dibasic | 1.44 g |
| Potassium Phosphate monobasic | 0.24 g |
| Adjust the pH to 7.4 |   |

**Application of graded alcohol and acetone for tissue dehydration (Step 2.5)**

|  |  |
| --- | --- |
| **Component** | **Time** |
| 50% ethanol | 10 min |
| 70% ethanol | 10 min |
| 95% ethanol | 10 min |
| 100% ethanol | 20 min |
| 100% ethanol | 20 min |
| 100% acetone | 30 min |
| 100% acetone | 30 min |