

## SOP-P023

### Preparation of PBS Gel Concentrate and Working Dilution of PBS Gel

**Objective:** To prepare a stock solution of PBS gel and a working dilution of PBS gel.  
Use for cell function experiments.

#### Preparation of 100ml PBS Gel Concentrate:

##### Procedure:

reagents:

- |                    |         |
|--------------------|---------|
| a. EDTA disodium   | 7.604gm |
| b. Glucose         | 9.00gm  |
| c. Gelatin (Difco) | 10.00gm |

1. Heat 80ml distilled water to 45-55° C.
2. Slowly add gelatin, stirring constantly.
3. Add EDTA and glucose. Continue stirring until all reagents are in solution.
4. QS to 100ml, continuing to stir and keep warm
5. Pipet 1.2ml aliquots into capped 1.5ml conical bullets.
6. Label and store at 4°C.

#### Preparation of 100ml working PBS gel:

1. Warm a bullet of gel concentrate to approximately 45°C.
2. Pipet 1.0ml from the bullet into 99ml warmed PBS.
3. Mix and pH to .4.
4. Buffer should appear homogenous. If clumps are visible, discard and make fresh.

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