



**REF** M34A Phosphate Buffered Saline 500mL pH 7.2

**INTENDED USE**

Microgen Bioproducts Product M34A is a concentrated Phosphate Buffered Saline solution designed to produce a 15mM Phosphate Buffered Saline solution, pH 7.2 when 500mL of the supplied concentrate is diluted to 10Litres with distilled water.

The resultant 15mM phosphate buffered saline pH 7.2 is for general laboratory use and any specific use must be validated by the user.

**PRESENTATION**

500mL liquid concentrate per Bottle

Dilute 1 in 20 (500mL to 10 Litres) to produce a 15mM Phosphate Buffered saline solution, pH 7.2

**STORAGE AND SHELF LIFE**

M34A concentrated Phosphate Buffered Saline should be stored at 10-30 degrees C on receipt and used before the expiry date on the label.

Storage at temperatures below this may cause the salts to crystallize out of solution.

**COMPOSITION**

M34A Phosphate Buffered Saline Concentrate is prepared as an aqueous solution to the following formula:

|   |                  |
|---|------------------|
| Sodium Chloride                           | 174 g per Litre  |
| Potassium di hydrogen phosphate anhydrous | 10.2 g per Litre |
| Disodium hydrogen phosphate anhydrous     | 31.6g per Litre  |

**WARNINGS AND PRECAUTIONS**

1. M34A concentrated Phosphate Buffered Saline is for general laboratory use, and is produced as a convenient means of generating a working strength 15mM phosphate buffered saline, pH 7.2. No particular use is specified by the manufacturer and any specific use of this buffer must be validated by the user.
2. Whilst the buffer is prepared by the manufacturer taking steps to keep bioburden levels low, no guarantee of microbiological state is offered by the manufacturer.
3. For information on disposal see Material Safety Data Sheet available on request.
4. Concentrated salt solutions may accelerate corrosion of base metals and this should be borne in mind when handling and disposing of the concentrate.
5. M34A Phosphate Buffered Saline is produced for professional laboratory use only and it should be handled in accordance with good laboratory practice.



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