

# PureSperm<sup>®</sup> Buffer

- Optimised for dilution of PureSperm<sup>®</sup> 100  
prior to gradient separation.

## The King of Optimisation

We are now offering a salt solution which has been optimised for dilution of **PureSperm<sup>®</sup> 100**. Clinicians can select the density layers they prefer to use and in any combination. It contains no antibiotics or phenol-red.

# PureSperm® Buffer



## The Queen of Balance

**PureSperm® Buffer** is a balanced salt solution designed specifically for diluting **PureSperm® 100** to make up layers of different densities for a gradient. The optimised formulation of **PureSperm® Buffer** is designed to maximise sperm survival during density gradient centrifugation.

Every batch is packaged aseptically and terminally autoclaved to minimise endotoxin levels. Contains no hSA, no antibiotics and no phenol-red. The gradient itself separates out the bacteria and therefore no antibiotics are needed. A very important benefit.

24 months shelf life

### Technical Information

**PureSperm® Buffer** is a sterile, isotonic, HEPES-buffered salt solution.

### Performance characteristics

pH	7.4 - 7.8
Osmolality (mOsm/kg H <sub>2</sub> O)	300 - 310
Endotoxin levels (EU/mL)	<1.0 EU/mL
Sperm survival without hyperactivation 18 hours after preparation	>70%
Contents tested by human sperm survival only. Bottles and stoppers are 2-cell M.E.A tested.	

### Components

Sodium chloride  
Potassium chloride  
Calcium lactate  
Sodium pyruvate  
Sodium citrate  
HEPES  
EDTA  
Glucose  
WFI quality water

### Ordering information

Volume	Article No.
100 mL	PSB-100

### Storage conditions and shelf life

Store unopened at ambient temperature for up to 2 years from production date. After opening under sterile conditions, store sealed at 2 to 8 °C.



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