

# *EquiPure*<sup>TM</sup>

-for the purification of equine sperm-



  
**Nidacon**  
International AB



# EquiPure™

## -Top/Bottom Layer



## Ride the winds of change...

EquiPure™ is a non-PVP density gradient with very low endotoxin levels.

It is optimized for the preparation of density gradients for the separation and purification of equine sperm through centrifugation. This method allows motile sperm to get separated from immotile sperm, dead sperm, sperm with damaged chromatin, and seminal fluid. Thus the motile sperm are removed from an environment containing cells, cellular debris, pathogens reactive oxygen species, bacteria, and de-capacitation factors.

EquiPure™ can be stored unopened at room temperature for up to 2 years from production date, ensuring minimal wastage. Every batch is packaged aseptically and terminally sterilized to minimize endotoxin levels.

All our animal products are produced under human grade quality conditions, that meet all the standard requirements.

### Technical Information

EquiPure™ Top Layer and EquiPure™ Bottom Layer consists of colloidal silica particles stabilized with covalently bound hydrophilic silane. The solutions are supplied ready to use, sterile, in a isotonic buffered stock solution containing glucose and EDTA.

### Performance characteristics

pH	7.4 - 7.8
Osmolality(mOsm/kg H <sub>2</sub> O)	300 - 310
Endotoxin levels (EU/mL)	<1.0
Sperm survival 18hrs after preparation.	>70%

Contents tested by human sperm survival only.  
Bottles and stoppers are 2-cell M.E.A. tested.

### Components

Silane-coated silica  
Potassium ions  
Sodium ions  
WFI quality water  
HEPES  
EDTA  
Glucose  
Citrate  
Lactate  
Pyruvate

### Ordering information

Volume	Article No.
100 mL(Top Layer)	EPT-100
100 mL (Bottom Layer)	EPB-100

### Storage conditions and shelf life

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



[www.nidacon.com](http://www.nidacon.com)

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