

# Sperm VitalStain™

## Vitality

Sperm VitalStain™ is an optimised staining technique for assessment of sperm vitality, which is one of the basic tools used in semen analysis. The technique is based on the principle that dead cells (i.e. those with damaged plasma membrane) will take up the eosin and stain red. Nigrosin is used as a counterstain to facilitate visualization of the unstained (white) live cells.



An optimised one-step staining technique for assessment of sperm vitality during semen analysis.

# Sperm VitalStain™



## Technical Information

Sperm VitalStain™ is a salt solution containing the historical colouring agents eosin and nigrosin, the eosin being taken up by dead sperm through porous membranes, and the nigrosin providing a dark contrast background to emphasise the unstained cells.

## Performance characteristics

pH 7.3 - 9.5

## Components

Sodium Chloride  
Eosin Y  
Water  
Nigrosin  
Formalin

## Storage conditions and shelf life

Store at ambient temperature. Under these conditions Sperm VitalStain™ has a shelf-life of 24 months. The expiry date is shown on both bottles and cartons.

## Ordering Information

Volume	Article No.
2 x 10 mL	SVS-010

## One-Step

Sperm VitalStain™ is a one-step vital staining technique containing eosin and nigrosin. The concept of using eosin uptake to mark dead cells, and nigrosin background stain, increasing the contrast between stained cells and otherwise bright background, is well known and widely used.

Sperm VitalStain™ can be stored at room temperature for up to 2 year from production date, ensuring minimal wastage.

**24 months shelf life**



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

Nidacon International AB

E-mail contact@nidacon.com

Tel: +46 31 703 06 30 Fax: +46 31 40 54 15