Ideh Varzan Farda

Ideh varzan farda (IVF Co)

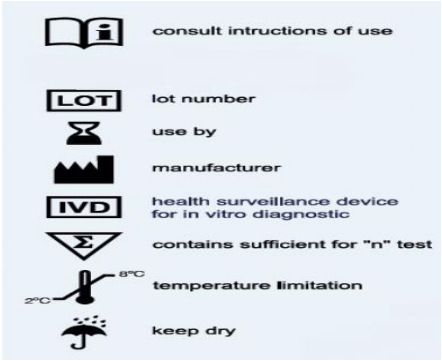
Establishment in 2014. IVF Co is one of the leading companies, in research, development and manufacture of sperm analysis reagents and disposable Products for human reproduction .We are trying to produce with same quality as famous brands, but in lower prices.

VITALITY ASSAY KIT

(160 TESTS)

CE US IMED National Medical

ISO13485:2016



No. 117, Bldg. 2, Tehran Technology Park, 16th, North Amirabad,

1439817435, Tehran, Iran

WWW.IVFCO.IR

TEL:86093832-86094419

FAX: 86093832

WHATSAPP: 0920 544 5464

Vitality assay kit

Eosin-Nigrosin is a staining technique that assesses the vitality of a sperm sample. Nigrosin increases the contrast between the background and sperm heads, making the sperm easier to visualize. Eosin stains only the dead sperm, turning them a dark pink, Whereas live sperm appears white.
This staining technique must be performed Immediately after collection and liquefaction.

Precautions

- The test should be discarded in a proper biohazard container after testing.
- Do not eat, drink or smoke in the area where specimens and kit reagents are handled.
- Do not use beyond the expiration date, which appears on the package label.
- The use of gloves and face mask is recommended
– Do the test under the chemical hood

Store condition

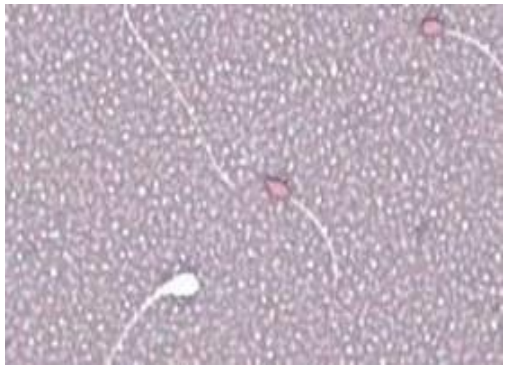
After receiving the kit store at 2-8 ° for 6 months.

Sperm sample

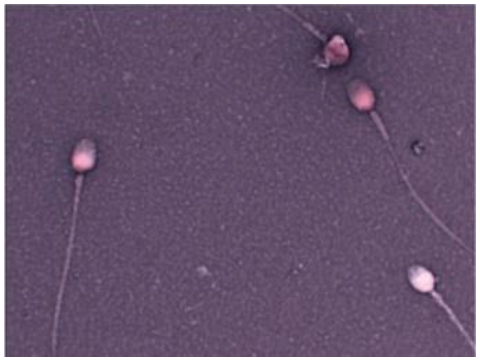
Semen samples should be collected in a sterile container. The vitality staining sperms should be performed immediately.

Normal range

According to WHO 2010
White cells ≥58 % viability in normal sperm specimens.



- The Nigrosin provides a dark background that makes it easier to observe faintly stained spermatozoa.
- With bright-field optics, live spermatozoa have white or faint pink heads, and dead spermatozoa have heads that are stained red or dark pink.



Description of kit reagents

Bottle A: Nigrosin solution (4 ml)
Bottle B: Eosin-Staining Solution I (4 ml)

Instruction for use

1. After semen liquefaction, Place 50 µL of semen sample in eppendorf tube.

2. Add 25 µL of B solution (eosin Solution) to eppendorf tube. Mix well with a micropipette.

3. Add 25 µL of A solution (nigrosin solution) and Mix well.

4. Immediately make a smooth smear of 10-20 µL of this mixture.

5. Air-dry semen smear and check the slide with bright-field optics. Count 100 cells.