50 vetrini pre-colorati, pronti all’uso, per la caratterizzazione e la differenziazione degli elementi cellulari del sangue, la colorazione degli spermatozoi e per l’esame citologico urinario, delle cellule tumorali e del liquor.

50 Prestained, ready-to-use slides for differential blood cell counts, spermatozoal staining, urine cytology, cancer cytology and CSF cytology.

50 portasobjetos preteñidos y listos para el uso, para el cuadro hemático diferencial, la tinción de espermatocitos, la citología urinaria, la citología exfoliativa y la citología del líquido esfínterouroideo.

50 láminas pré-coradas e prontas para o quadro hemático diferencial, a coloração de espermatocitos, a citologia de urina, a citologia exfoliativa e a citologia do líquido.

50 gebrauchsfertige farbbeschichtete Objekträger für Differentialblutbild, Spermatozoenfärbung, Urinzytologie, Karzinocytoogie, Liquorzytologie.
Testsimples® Prestained Slides
Application for Sperm Morphology

Intended Use
This innovative product eliminates the laborious and time consuming staining protocols currently in use. It is now possible to stain all the various cells present in a fresh semen specimen with little effort.

Summary and Explanation
The Testsimples application allows a differential for a morphology evaluation of a semen specimen. It is based on the presence of two dyes, new methylene blue N and cresyl violet acetate. Present as chemically pure substances, the dyes are evenly applied to the glass slides in constant quantity and admixture. This ensures reliable and satisfactory structural staining differentiation. Traditional smearing techniques and dried preparations sometimes result in damage to cell structure.

Principle of procedure
The reaction of the two dyes with the seminal cells can be visualized as being analogous to panchromatic (panoptic) staining. The different staining of the individual cell regions with the basic dyes is used for cell differentiation.

Package Contents
The package contains:
- 50 Prestained ready-to-use slides (aluminum foil sealed packaging)
- 50 Dust-free coverglasses (24x36mm)(plastic sealed packaging)

Storage and Expiration
Store package at ± 2°C to 30°C. When kept in the original pack, Testsimples are stable up to the date specified on each pack. Once the pack has been opened, high atmospheric humidity and large fluctuations in temperature may lead to sporadic formation of crystals in the prestained layer. Although this does not affect the performance of the test, it is important to recluse the package immediately after having removed a slide.

Materials Needed but not Provided
- Pipette and tips or glass rod
- Microscope with 100x oil immersion objective
- 10% Formalin in coplin jar

Specimen Preparation
1. Allow the semen to liquefy at room temperature.
2. Immediately prior to application, mix the specimen thoroughly.

Slide Preparation
1. Take the two packs out:
   - 50 Slides: Open the aluminum foil carefully by lifting the blue lid. The slides can now be removed by hand or with the aid of the dispenser. Do not touch the prestained area of the slide surface.
   - 50 Coverglasses: Open the pack by slitting the label along the broken line and lift up the lid vertically in the direction of the arrow. Remove the coverglasses.

Procedure
1. Pipet 3-5µl of the well-mixed semen specimen directly to the center of the stained portion of the labeled slide.
   a. For spermatozoa density less than 10 million/ml, centrifuge the semen for 8 minutes at 250g. Place a 5µl drop of the sediment onto the slide.
   b. For spermatozoa density greater than 100 million/ml, use a smaller volume. Preparation of a thin smear is essential for effective evaluations. Viscous samples can result in incomplete immobilization of the spermatozoa and excessive movement of seminal fluid making interpretation under oil immersion difficult.
   c. semen need not completely cover the stained area.

Archiving Slides (Optional)
1. Air dry slide at this time
2. Fix with 10% formalin for one minute.
3. Coverslip optional for archiving (see Step 3 below)
4. Slides can be archived for up to 4 months.

Normal Values of Results
World Health Organization: 30% or more with normal forms
Tygerberg ‘Strict Criteria’: 14% or more with normal forms

References