Goldcyto prestained-slide

Intended use:

to assess the morphological parameters of cells such as spermatozoa. The stained cells can be assessed with the help of an automated system (i.e. CASA) or manually.

Principle of the device: when a small volume of cells / semen is deposited on a pre-stained slide, the fixative-stain film dissolves in fluid/seminal plasma and stains (sperm) cells.

Description: Goldcyto pre-stained SpermBlue slides are produced in the China by coating a regular slide with SpermBlue solution. The slides have a marking area and the Goldcyto label to distinguish the surface with stained .

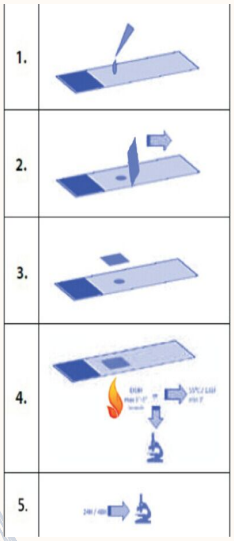
Preparations before use: remove GoldCyto pre-stained slide from packaging and take care not to touch the coated area.

Make sure the coated area is undamaged.
Access to an incubator at 55°C / 131F, or an ethanol flame. Use semen after liquefaction or (sperm) sample in a culture medium.

Protocol 1. Recommend for manually analysis (P1)

Using the Goldcyto pre-stained SpermBlue slides:

1.pipette 1ul of sample on the middle of the slide.
2.Carefully apply a 22 x 22 mm cover slip ensuring that no air bubbles form.
3.Using tweezers or a pencil, push gently on cover slip for a more even spread of the stain and sample.
4.Immediately place covered slide in incubator for three (3) minutes at 55° C / 131F to kill sperm. Alternatively, the prepared slide can be held over the ethanol flame (or cigarette
5.lighter) for three (3) to five (5) seconds to kill the sperm cells
6.(flame should just not touch the back of the slide).
7.Wipe the back of the slide when flame is used to kill the sperm cells or take slide from incubator.
8.Start assessment immediately after



(P1)

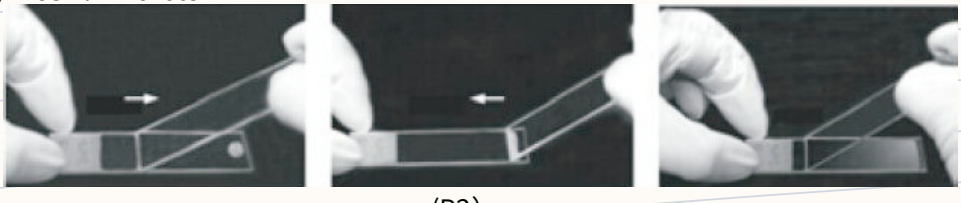
Protocol 2. Recommend for CASA automatic system. (P2)

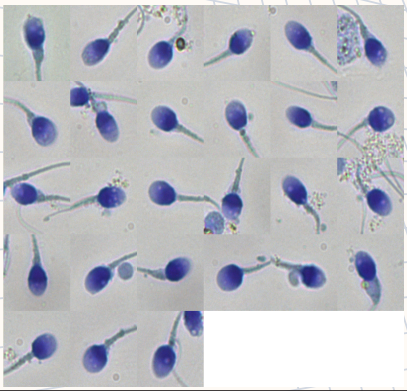
Staining Procedure:

1.Check the color stained on surface before add on sample.
2.pipette 5ul of sample on the endside of the slide prepare the smear like figure 1.
3.Put the slide on the hotplate 56°C 30 -60 seconds.
4.Drop the slide into the water jar 1 second.
5.Dry the slide in hotplate.
6.Start assessment immediately after.

Wash procedure:

1.mix gently of 0.2~0.5ml (relate with the density of sperm) liquefaction semen with 10ml physiological saline or 10ml PBS (pH7.4 ± 0.2)
2.centrifugal 10min 800g
3.removing most of the supernatant
4.Mix gently the rest, usually a 20~40 ul
5.count the concentration of sperm
1) = 45M/ml -65M/ml perfect go to Staining procedure
2) < 45M/ml add 20ul physiological saline or 10ml PBS (pH7.4 ± 0.2) repeat step 2.
3) > 65M/ml dilute


(P2)



Storage: dry, avoid light, room temperature preservation

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