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Gonococcus test kit

- Easy and rapid operation and reading
 - Convenient specimen collection
- For hospitals, clinics and personal use
 - Especially suitable for big volume specimens from physical examinations

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Easy and rapid operation | Easy to read result | Convenient and painless specimen collection | Suitable for hospitals of all levels, clinics and even for personal use | Especially suitable for big volume specimens collected from physical examinations

Principle of the test

Gonorrhoea possess a specific enzyme catalyzed reaction system. If this enzyme is present in the specimen, a biochemical reaction accompanied by the generation of bubbles occurs.

Clinical implications

Gonorrhoea is one of the most common sexually transmitted diseases. Its pathogen is *Neisseria gonorrhoeae* (abbreviated Gonorrhoeae).

Gonorrhoea infection can be transmitted by two means.

1. direct transmission, mainly transmitted through sexual intercourse or other sexual activities. This is the main approach for Gonorrhoea transmission, which contributes for more than 99% of male Gonorrhoea infection cases.

2. indirect transmission is very rare. It is mainly caused by contact with appliances used by pathogen carriers. Additionally, very few newborns can be infected by their mother while in the amnion or passing through the birth canal. At the beginning of adult infection, the symptoms can be urethritis for male and urethritis and cervicitis for female. In case not cured in time, the infection can spread to the genital system of both male and female, leading to chronic infections. It is also one of the causes for infertility and abortion. Newborns infected through the birth canal may present conjunctivitis which may spread to the entire eye, eventually causing blindness.

Various methods are used for the diagnosis of Gonorrhoea, including culture, immunoreactions, PCR, microscopic method and biochemical enzyme catalyzed reactions. Due to its advantages such as that no special equipment is required, convenient and rapid processing and the low cost, the biochemical enzyme catalyzed reaction method is more and more preferred by clinical staff and is widely employed in clinical screening test for Gonorrhoea.

Autobio's advantages

- **Good sensitivity** (higher than 98%). The specificity is higher than 95% for male specimens.
- **No special equipment** required, immediate test, easy and rapid operation, **result within 5 to 10 minutes**
- **Suitable for hospitals of all levels, clinics and even for personal use.** Especially suitable for big volume specimens collected in physical examinations

Test Procedure



1 Add roughly 2 ml of specimen to the tube provided with the kit (if the specimen is urine, it can be used directly. If it is the secretion, it should be washed by physiological saline completely).



2 Add 3 drops of the reagent to the specimen, cover the tube with the cap tightly and shake it carefully.



3 After 5 minutes (or after 10 minutes for light symptom patients), shake the tube gently again (you don't have to shake again, if bubbles have already appeared). Observe the bubbles inside the tube. The result is valid during 20 minutes.

Positive samples either show a layer of white bubbles or a circle of white bubbles on the surface of the liquid.

Negative samples show no bubbles on the surface or not enough bubbles to show a circle.

Order information

Product	Quantity	Order No.
Gonococcus test kit	25 Tests	B0101

Autobio Group

offers more than 100 *in vitro* diagnostic products including ELISA, POCT (Point of Care Test), Microbiology and CLIA (Chemiluminescence). As an ISO 9001, EN 13485 and GMP certified manufacturer, Autobio supplies high quality products through its well established sales network and is reknown as a reliable OEM partner. For details please visit www.autobio-diagnostics.com

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