

Mycoplasma is one of the main pathogens leading to Nongonococcal Urethritis (NGU), cervicitis, pelvic inflammatory disease, orchitis, epididymitis etc. and can cause infertility to men and women.

These pathogens can attack and destroy genitourinary epithelial cells, cause infectivity of AIDS and other sexually transmitted diseases.



Mycoplasma IES kit

Culturing | Identification | Enumeration | Susceptibility

- High sensitivity
- Results within 24 hours
- Good consistency of test results
- Test the susceptibility of 12 antibiotics from 5 categories
 - CE-marked

Autobio

autobio diagnostics

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High sensitivity | Results within 24 hours | Good consistency of test results | Test susceptibility of 12 antibiotics from 5 categories, giving a wide choice for patient treatment

Background

Mycoplasma is the cause of Nongonococcal Urethritis (NGU), cervical, pelvic inflammatory disease, orchitis, epididymitis, and other disorders of the main pathogens. It may cause infertility to men and women. These pathogens can attack and destroy genitourinary epithelial cells, causing infectivity of AIDS and other sexually transmitted disease. Clinical sexually transmitted diseases can be caused by *Mycoplasma*, including the main UU and MH. Its incidence has been on the rise along with antibiotic resistance that has become a serious harm to human health. Timely and accurate diagnosis is the key to treatment and prevention of the *Mycoplasma* spread.

This Autobio kit is used for culture isolation, identification, enumeration of *Ureaplasma urealyticum* (UU) and *Mycoplasma hominis* (MH) and clinical susceptibility of 12 commonly used antibiotics.

Principle of the test

The *Mycoplasma* kit is based on the reaction of cultivation and biochemistry. Urea can be decomposed by Urease for *U.urealyticum* and release NH_3 and arginine can be decomposed by Arginase for *M.hominis* and release NH_3 . Then NH_3 causes an increased pH of the liquid medium. The corresponding color change of the indicator is used to judge the result.

The susceptibility strip contains 12-antibiotics, each one in two concentrations. If *Mycoplasma* is sensitive to antibiotic, the activity of the enzyme is inhibited causing no change in color.

Clinical implications

Mycoplasma is one of the main pathogens leading to Nn-gonococcal Uethritis (NGU), cervical, pelvic inflammatory disease, orchitis, epididymitis, etc. and can cause infertility to men and women. These pathogens can attack and destroy genitourinary epithelial cells, cause infectivity of AIDS and other sexually transmitted diseases.

Advantages of Autobio

- Results within 24 hours. Cultivation is fast and test results are consistent.
- Easy to operate. The separated cultivation, identification and enumeration of UU and MH are completed simultaneously.
- The susceptibility is tested with antibiotics in two concentrations.
- Susceptibility of 12 antibiotics from 5 categories are tested, giving more choices for clinical treatment.

Macrolides	ROX, AZI, JOS, CLA, ERY
Quinolones	SPA, LEV, GAT
Tetracyclines	DOX, MIN
Chloramphenicols	THI
Lincosamides	CLI

- No other supporting equipment is required.
- Special growth factors are added.
- Available in lyophilized form which can be stored at 2-8° C for 12 months.
- No high requirements for specimens. Both secretion and midstream urine are accepted. Midstream urine can generate good test results. Specimens stored at 2-8°C for 24 hours do not generate inaccurate results.

Order information

Product	Quantity	Order No.
Mycoplasma Culturing, Identification, Enumeration, Susceptibility Kit	20 Tests	M0205

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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