

***Mycoplasma* Culturing Reagent (UU / MH/UU-MH)**

Description:

Mycoplasma culturing kit has been developed for the diagnosis of urogenital *Mycoplasma* (*U.urealyticum* and *M.hominis*). *Mycoplasma* kit combines a selective culture broth. The broth contains the factors required for growth (peptones, yeast extract, horse serum, growth factors). The specific substrates present in the broth(urea for *U.urealyticum* and arginine for *M.hominis*) and an indicator reveal a change in color ,in the case of positive culture, caused by an increase in the pH .This kit is very sensitive, specific, quick and easy to read the result.

Principle:

Mycoplasma culturing kit is based on culturing and biochemical reaction, Urease for *urealyticum* can decompose urea, then release NH_3 ; Arginase for *M.hominis* can decompose arginine, then release NH_3 , that increase the pH of the liquid medium, and indicator reveal a change in colors.

Material provided:

| | |
|-----------------------------------|------------|
| UU Culturing Reagent(1.5ml) | 20 bottles |
| or MH Culturing Reagent(1.5ml) | 20 bottles |
| or UU-MH Culturing Reagent(1.5ml) | 20 bottles |
| Reference Paper | 1 sheet |

Specimen Collection:

·Collect the specimen before administering any antibiotic treatment or after stopping administering any antibiotic for three days.

·Since *Mycoplasma* have a high affinity for mucus cell membranes, it's important to collect as many cells as possible .

· **Vaginal specimen:** Remove excess mucus from the exocervix then collect an endocervical specimen using a swab (collect at the exocervix for pregnant women).

· **Ureathral specimen:** Clean the meatus and collect the specimen by swabbing or scraping the mucosa.

· **Liquid specimen:** Collect the midstream specimen of urine by a clean and one-off urine cup just for male (inoculating directly).

Procedure:

·Immediately inoculate the swab or liquid specimen (200ul) into the reagent;

· Place the lid on, and shake for mixing completely;

·Incubate for 24 hours at 35-37°C

Reading:

·After incubate for 24 hours, read the change in colors of broth in the vial; If it turns into red or slightly red from orange, judge specimen positive, otherwise judge specimen negative.

·Note: *Mycoplasma* caused a color change in the broth within 24 hours, except in case of low titer (change within 48 hours).

Attention:

·Reagent should be equilibrate to room temperature prior to testing..

·The collected specimen should be fresh.

·The broth should remain clear, an effective measure has been used to prevent contamination by other micro-organisms. The specimen couldn't be judged as positive, if the reagent turns red in high turbidity (However slight cloudiness may be caused by dispersal of the swab in the liquid medium.).

Storage:

·Kits should be stored below -20°C. And the validity is one year. Do not use kit contents after the expiring date.

AUTOBIO DIAGNOSTICS CO., LTD

Tel: [86]-0371- 66728295, 67985313

Fax: [86]-0371- 66781199, 67985804

Add: No.87, Jingbei Yi Road, Fifth Street, Zhengzhou Economic & Technological Development Area, Zhengzhou City, China, 450016

Email: AUTOBIO@AUTOBIO.Com.Cn