V02

支原体染色液(Dienes 法)

货号： G0980
规格： 10mL/50mL
保存： 2-8 ℃，避光保存，有效期 1 年。

产品介绍：

支原体染色液(Dienes 法)是一种经典的利用天青美蓝染色检测支原体污染的试剂，经常用于培养的贴壁或悬浮细胞以及组织切片的细胞凋亡检测。该试剂检测细胞含量范围一般为 0.1～1×10^6之间。

自备材料：

PBS或生理盐水、载玻片、盖玻片、显微镜

操作步骤：(*仅供参考*)

(一) 贴壁细胞

1. 取洁净盖玻片在70%乙醇中浸泡5分钟或更长时间，无菌超净台内吹干或用无菌的PBS或生理盐水洗涤3次，再用细胞培养液洗涤1次。将盖玻片置于6孔板或其他培养皿内，接种细胞培养过夜，使融合率约为50%～80%。
2. 加入Dienes染色液覆盖表面，孵育1-2min。
3. 弃染色液，PBS或生理盐水洗2次，每次3min，吸尽液体。
4. 显微镜下观察。

(二) 悬浮细胞

1. 低速离心离心后吸去大部分液体保留约50μl，重悬细胞，取5ul滴加至载玻片上，尽量使细胞分布均匀。
2. 稍晾干，使细胞贴在载玻片上不易随液体流动。
3. 加入Dienes染色液覆盖表面，孵育1-2min。
4. 弃染色液，PBS或生理盐水洗2次，每次3min，吸尽液体。
5. 显微镜下观察。

染色结果：

支原体	细胞内或周边散在蓝色小点

注意事项：

1. 在为了获得细胞沉淀的离心的过程中，对于特殊细胞，如果细胞沉淀不充分，可以适当提高离心力或延长离心时间。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。

Tel: 400-968-6088 https://www.solarbio.com E-mail: sales-china@solarbio.com
Address: No. 85, Liandong U Valley, Middle Zone, 101102, Tongzhou Dist, Beijing, China

Mycoplasma Stain Solution(Dienes Method)

Cat: G0980
Size: 10mL/50mL
Storage: 2-8℃, avoid light, valid for 1 year.

Introduction

Mycoplasma Stain Solution(Dienes Method) is a classical reagent which uses azure methylene blue staining to detect Mycoplasma contamination. It is often used to detect apoptosis of cultured adherent or suspended cells and tissue sections. The detection range of cell content by this reagent is generally between 0.1 and 1×10^6.

Self Provided Material

PBS or Physiological Saline, Slide and Coverslip, Microscope

Protocol(*for reference only*)

Adherent Cells Stain

1. Soak clean coverslip in 70% ethanol for 5 min or longer, dry in sterile super-clean table or wash with sterile PBS or saline for 3 times, and then wash with cell culture medium for 1 time.Place the cover slide in a 6-well plate or other Petri dish.Make the fusion rate till about 50%-80% after overnight incubation.
2. Add the Mycoplasma Stain Solution to cover the surface and incubate for 1-2 min.
3. Remove the solution, wash twice by PBS or physiological saline and 3 min for each time.
4. View under microscope.

Suspended Cells Stain

1. Low-speed centrifugation absorbs most of the liquid and retains about 50 μl of liquid.
2. Dry slightly and adhere the cell to the slide to make it not easy to flow with the liquid.
3. Add Mycoplasma Stain Solution to cover the surface and incubate for 1-2 min.
4. Remove the dye solution and wash with PBS or physiological saline twice for 3 min each time.
5. View under the microscope.

Result

Mycoplasma	Blue dots were scattered in or around the cells

Note

1. In order to obtain the centrifugation of cell precipitation, if the cell precipitation is insufficient, the centrifugal force can be properly increased or prolonged.
2. For your safety and health, please wear experimental clothes and disposable gloves.