

中性红染色液（液泡系染色）

货号：G1314

规格：100mL

保存：2-8℃，避光保存，有效期 1 年。

产品介绍：

细胞中液泡系活体染色实验的基本原理是动物细胞内由单层膜包裹的小泡都属于液泡系，包括高尔基复合体、溶酶体、内质网、转运泡、吞噬泡等。中性红（neutrol red）是液泡系的专一性活体染色剂，在细胞处于生活状态时，只将液泡系染成红色，细胞质和细胞核不被染色。

本染色液配制在 pH 中性的等渗缓冲液中，可以用于活体细胞或组织的液泡系染色。本产品经过滤除菌，可直接用于培养细胞的染色。

操作步骤：（仅供参考）

1. 去除细胞培养液，用 PBS、DPBS 或 HBSS 等适当溶液洗涤 1-2 次，每次 1-2min。
2. 去除洗涤液，加入适量的染色液，确保充分覆盖细胞，染色 2-10 分钟(可以根据染色结果和要求调整时间)。
3. 用 PBS、DPBS 或 HBSS 等适当溶液洗涤 1-2 次后即可进行观察和拍照。

染色结果：

活细胞液泡系	红色
死细胞	不着色或核着红色

注意事项：

1. 第一次使用本产品时建议先取少量样品做好预实验确定染色时间。
2. 中性红染色液为饱和溶液，长期存放可能会产生沉淀。可以通过离心吸取染色液的上清液使用，也可以使用针头滤器等过滤去除沉淀后继续使用，不会影响使用效果。
3. 为了您的安全和健康，请穿实验服并戴一次性手套操作。





Neutral Red Sterile Solution, For Vacuolar

Cat: G1314

Size: 100mL

Storage: 2-8°C, avoid light, valid for 1 year.

Introduction

The basic principle of vital staining experiment of vacuolar system in cells is that the small vesicles enclosed by a monolayer membrane in animal cells belong to the vacuolar system, including Golgi complexes, lysosomes, endoplasmic reticulum, transport vesicles, phagocytic vesicles, etc. Neutral red is a specific living staining agent for the vacuolar system. When the cell is in a living state, only the vacuolar system is dyed red, and the cytoplasm and nucleus are not stained.

This staining solution is prepared in a pH neutral isotonic buffer and can be used for vacuolar staining of living cells or tissues. This product has been filtered and sterilized, and can be directly used for staining cultured cells.

Protocol(for reference only)

1. Remove the cell culture medium and wash 1-2 times with appropriate solutions such as PBS, DPBS, or HBSS, for 1-2 minutes each time.
2. Remove the washing solution, add an appropriate amount of staining solution to ensure sufficient coverage of the cells, and stain for 2-10 minutes (the time can be adjusted according to the staining results and requirements).
3. After washing 1-2 times with appropriate solutions such as PBS, DPBS, or HBSS, observation and photography can be carried out.

Result

Live Cell Vacuolar System	Red
Dead Cell	Colorless or Nucleus is Red

Note

1. When using this product for the first time, it is recommended to take a small amount of samples and conduct preliminary experiments to determine the dyeing time.
2. Neutral red staining solution is a saturated solution, and long-term storage may cause precipitation. The supernatant of the staining solution can be extracted by centrifugation for use, or a needle filter can be used to filter and remove sediment before continuing use, without affecting the effectiveness of use.
3. For your safety and health, please wear laboratory clothes and disposable gloves for operation.

