

茜素红 S 染色提取试剂 (CPC, 10%)

货号: G1453

规格: 100mL

保存: 室温, 避光保存, 有效期 6 个月。

产品介绍:

茜素红 S 属一种蒽醌类衍生物, 是茜素磺酸钠盐, 它能与碳酸钙或磷酸钙中的钙盐螯合形成橙红色复合物, 适用于组织切片和培养细胞的钙盐沉积染色。为了方便分析钙盐含量和浓度, 茜素红 S 的染色可以使用 CPC 试剂完全洗脱, 洗脱下来的溶液置于 96 孔板内, 通过测量 560nm 下的 OD 值对钙盐含量进行半定量分析。

该产品适用于各种茜素红 S 染色后的钙盐含量分析实验。

操作步骤: (仅供参考)

茜素红 S 染色提取试剂 (CPC, 10%) 由于浓度较高, 存放一定时间可能会有析出, 属于正常现象, 可置于 37°C 水浴或 60°C 烘箱加热溶解后使用。

1. 根据客户实验需求进行茜素红 S 染色。
2. 对于组织切片, 滴加 400ul 茜素红 S 染色提取试剂 (CPC, 10%) 室温孵育切片 15-30min; 对于细胞样本, 六孔板建议每孔加入 1ml 茜素红 S 染色提取试剂 (CPC, 10%) 室温孵育细胞 15-30min, 直至茜素红 S 着色完全洗脱。
3. 用离心管收集洗脱下来的茜素红 S 溶液并充分摇匀。置于 96 孔板内, 每孔添加 100uL, 共三个重复孔, 在酶标仪 560nm 波长下测定 OD 值。

注意事项:

1. 由于人为操作误差和机器精度存在误差, 同一批样本测定实验尽量在同一天进行。
2. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

相关产品:

G1450 茜素红 S 染色液(0.2%,pH8.3)

G1452 茜素红 S 染色液(1%,pH4.2)

G3280 钙盐染色试剂盒(改良茜素红 S 法)

G3281 钙盐染色试剂盒(茜素红 S 法)

G3283 茜素红 S 染色定量检测试剂盒 (CPC 法)





Alizarin Red S Staining Extraction Solution (CPC, 10%)

Cat: G1453

Size: 100mL

Storage: RT, avoid light, valid for 6 months.

Introduction

Alizarin Red S is an anthraquinone derivative, which is a sodium salt of Alizarin Sulfonate. It can chelate with calcium salts in calcium carbonate or calcium phosphate to form an orange red complex, suitable for tissue sectioning and calcium salt deposition staining of cultured cells. For the convenience of analyzing calcium salt content and concentration, Alizarin Red S staining can be completely eluted with CPC reagent. The eluted solution is placed in a 96 well plate, and the calcium salt content is semi quantitatively analyzed by measuring the OD value at 560nm.

This product is suitable for analysis of calcium salt content of various Alizarin Red staining kits.

Protocol(for reference only)

Alizarin Red S Staining Extraction Solution (CPC, 10%) may precipitate after being stored for a certain period of time due to its high concentration, which is a normal phenomenon. It can be used after being heated and dissolved in a 37 °C water bath or a 60 °C oven.

1. Perform Alizarin Red S staining according to customer experimental requirements.
2. For tissue sections, add 400ul Alizarin Red S Staining Extraction Solution (CPC, 10%) onto the section and incubate at room temperature for 15-30 minutes; for cultured cells, six well plate add 1ml Alizarin Red S Staining Extraction Solution (CPC, 10%) and incubate at room temperature for 15-30 minutes, until the Alizarin Red S staining is completely washed off.
3. Collect the eluted Alizarin Red S solution using a centrifuge tube and shake well. Place in a 96 well plate, add 100uL to each well, with a total of three repeated wells, and measure the OD value at a wavelength of 560nm on an enzyme-linked immunosorbent assay (ELISA) reader.

Note

1. Due to human operation errors and machine accuracy errors, the same batch of samples should be tested on the same day as much as possible.
2. For your safety and health, please wear laboratory clothes and disposable gloves when operating.

Related products

G1450 Alizarin Red S Solution, 0.2%, pH8.3

G1452 Alizarin Red S Solution, 1%, pH4.2

G3280 Calcium Stain Kit (Modified Alizarin Red S Method)

G3281 Calcium Stain Kit (Alizarin Red S Method)

G3283 Alizarin Red S Staining Quantitative Detection Kit (CPC Method)

