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碧云天网站 微信公众号

一氧化氮检测试剂盒

产品编号	产品名称	包装
S0021S	一氧化氮检测试剂盒	500次
S0021M	一氧化氮检测试剂盒	2500次

产品简介：

- 碧云天生产的一氧化氮检测试剂盒采用了经典的Griess Reagent，并对其测定的溶液体系进行了优化，使检测下限达到1μM，在1-100μM范围内有非常完美的线性关系。
- 检测速度极快，完成一条标准曲线或5-10个样品的测定**只需3分钟。**
- 样品范围广，可以检测细胞或组织及其培养液中的一氧化氮的含量，酚红和10%血清均对测定无明显干扰，也可以检测血清、血浆和尿液中一氧化氮的含量。

包装清单：

产品编号	产品名称	包装
S0021S-1	1M $NaNO_2$	1ml
S0021S-2	Griess Reagent I	25ml
S0021S-3	Griess Reagent II	25ml
—	说明书	1份

产品编号	产品名称	包装
S0021M-1	1M $NaNO_2$	1ml
S0021M-2	Griess Reagent I	125ml
S0021M-3	Griess Reagent II	125ml
—	说明书	1份

保存条件：

-20ºC避光保存，一年有效。4ºC避光保存，半年有效。

注意事项：

- 本产品对人体有害，操作时请小心，并注意有效防护以避免直接接触人体或吸入体内。
- 如保存不当导致溶液变色或沉淀，则说明该溶液已经失效，请购买新的试剂盒。
- 不建议使用RIPA裂解液对细胞或者组织进行裂解，使用RIPA裂解液可能在后续反应中产生沉淀，影响测试。推荐使用碧云天的细胞与组织裂解液(一氧化氮检测用)(S3090)或Western及IP细胞裂解液(P0013)。
- 对于血清样品中NO含量的测定，粗略地计算，可以直接用水稀释标准品，从而计算出血清样品中NO的浓度。比较精确地计算，如果测定的正常血清是常见血清可以从文献上查到其中NO的浓度，然后用该已知NO浓度的血清稀释标准品，这样就可以得到比较精确的NO浓度。或者使用已知浓度的人或其它动物的血清稀释标准品也同样可以达到目的。或者参照类似文献进行血清中NO浓度的测定。
- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用说明：

1. **取出Griess Reagent I和II，使回复室温。**
2. **用待测样品所用溶液稀释标准品(1-100μM)。**
   例如样品为细胞培养液上清，细胞培养液为DMEM＋10%FBS，则用DMEM＋10%FBS稀释标准品。通常标准品的浓度可取0, 1, 2, 5, 10, 20, 40, 60, 100μM。
3. **按50μl /孔，在96孔板中加入标准品及样品。**
   样品为培养液上清，可以直接取样，如果有可沉淀物则需离心后取上清。如样品为细胞或组织，可以快速冻融裂解，然后离心沉淀取上清，体积不足50μl可以用重蒸水或0.9% NaCl稀释(相应地标准品也需用重蒸水或0.9% NaCl稀释)。细胞或组织也可以用于Western或IP的裂解液(无需添加抑制剂)裂解，同样标准品也需相应稀释。推荐使用碧云天生产的细胞与组织裂解液(一氧化氮检测用)(S3090)或Western及IP细胞裂解液(P0013)；不建议使用RIPA裂解液。

4. **按50μl /孔，在各孔中加入室温Griess Reagent I。**
5. **按50μl /孔，各孔中加入室温Griess Reagent II。**
6. **540nm测定吸光度。**
   如无540nm滤光片，520-560nm的滤光片也可。如无酶标仪或合适的滤光片，也可以通过目测比色，确定样品中一氧化氮的浓度。目测比色时标准品需要更为精细的浓度梯度。
7. **根据标准品曲线计算出样品中一氧化氮的浓度。标准曲线示例参见图1，供参考。实际测定时，由于反应条件、试剂盒批次的不同等因素，会导致检测结果与示例数据存在一定差异。**

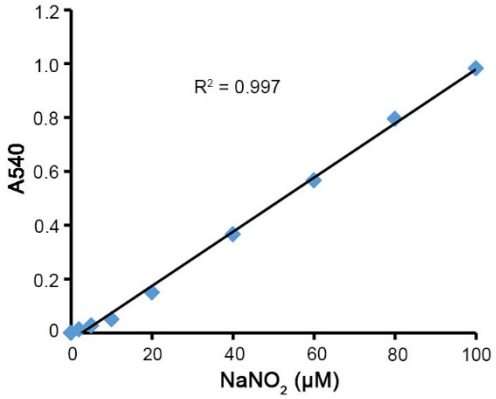

图1. 碧云天生产的一氧化氮检测试剂盒的参考标准曲线。

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