

# Griess Reagent Variations

May-31-16  
5:05 PM

Zviagin'sev, D.G., and Aseeva, I.V. (1991). Metody pochvennoy mikrobiologii i biokhimii (Moskva: Izd-vo Moskovskogo universiteta). p 74

## Solutions:

1. **Sulfanilic\_acid solution:** Dissolve 0.5 g Sulfanilic acid in 30 ml of Glacial Acetic Acid. Add 100 ml of dH<sub>2</sub>O, filter. Stored up to 1 month.  
<http://www.sigmaaldrich.com/catalog/product/sial/251917?lang=en&region=CA>
2. **α-Naphthylamine solution:** Dissolve 0.5 g of α-Naphthylamine in 100 ml of boiling dH<sub>2</sub>O. Cool down and add 30 ml of Glacial Acetic Acid. Filter and store up to one week.  
<http://www.sigmaaldrich.com/catalog/product/aldrich/n9005?lang=en&region=CA>

**Greiss reagent:** Mix equal volumes of both sol-ns.

## Membrane and lipopolysaccharide interactions of C-terminal peptides from S1 peptidases

<http://www.sciencedirect.com/science/article/pii/S0005273612001071>

The levels of NO in culture supernatants were determined after 24 h from stimulation using the Griess reaction [19]. Briefly, nitrite, a stable product of NO degradation, was measured by mixing 50 µl of culture supernatants with the same volume of Griess reagent (Sigma, G4410) and reading absorbance at 550 nm after 15 min. Phenol-red free DMEM with FBS and antibiotics were used as a blank. A standard curve was prepared using 0–80 µM sodium nitrite solutions in ddH<sub>2</sub>O.

Pasted from <<http://www.sciencedirect.com/science/article/pii/S0005273612001071>>

**G4410 Sigma**

### Griess reagent (modified)

10 g 115 CAD

<http://www.sigmaaldrich.com/catalog/product/sigma/g4410?lang=en&region=CA>

Also Sigma offers more expensive kits, for Nitrite/Nitrate ~325 CAD

<http://www.sigmaaldrich.com/catalog/product/roche/11746081001?lang=en&region=CA>

Nitrite alone ThermoFisher ~ 152 CAD

<https://www.thermofisher.com/order/catalog/product/G7921>