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Griess Reagent Kit

A chemical solution that is used for absorbance-based nitrite detection in biological samples such as cell lysates or tissue perfusates.



Product attributes

Storage Conditions	Store at 2 to 8 °C

Product Description

Griess reagent is used for absorbance-based nitrite detection in biological samples such as cell lysates or tissue perfusates. The reagent contains two chemicals, sulfanilic acid and *N*-(1-naphthalenediamine). Under acidic conditions sulfanilic acid is converted by nitrite to a diazonium salt, which readily couples with *N*-(1-naphthalenediamine) to form a highly colored azo dye that can be measured by absorbance at 548 nm.

Under physiological conditions, NO is unstable and is rapidly oxidized to a mixture of nitrite and nitrate. In order to measure NO levels indirectly from nitrite, nitrate must be reduced to nitrite enzymatically using nitrate reductase (not included) before performing the assay so that the total amount of nitrite can be measured.

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Product link: https://biotium-woo.supremeclients.com/product/griess-reagent-kit/