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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Information



Nitrite Standard

Item No. 780016

Laboratory Procedures

Reconstitute the lyophilized nitrite standard using 1.0 ml of assay buffer (20 mM potassium phosphate, pH 7.4). Be sure to mix in all powder that may cling to the vial stopper and vortex to ensure complete mixing. Dilute the standard 10-fold by adding 0.1 ml of the reconstituted standard to 0.9 ml of assay buffer. The concentration of the diluted solution is 200 μ M and is used for preparation of the nitrite standard curve as described in the table below. Store all stock solutions at 4°C; *do not freeze*. When stored under these conditions, the nitrite standard is stable for at least three months.

A typical standard curve can be prepared as follows:

Well (or Tube) Number	Nitrite Standard (μ l)	Assay Buffer (μ l)	Final Nitrite Concentration (μ M)
1	0	80	0
2	5	75	5
3	10	70	10
4	15	65	15
5	20	60	20
6	25	55	25
7	30	50	30
8	35	45	35

The concentration is calculated for a final volume of 200 μ l after the addition of 50 μ l each of Griess Reagent R1 and R2 (Item Nos. 780018 and 780020) as described in the kit booklet. When using a spectrophotometer for measuring absorbance values, the final volume and final concentrations may vary.

CAUTIONS

This product has been tested and formulated to work exclusively with the Nitrate/Nitrite assay kits from Cayman (Item No's. 780001 and 780051). This product may not perform as described if used with other assay reagents or protocols.

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/780016

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WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

MATERIAL SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent *via* email to your institution.

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Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have **any obligation or liability**, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

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For further details, please refer to our **Warranty and Limitation of Remedy** located on our website and in our catalog.

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