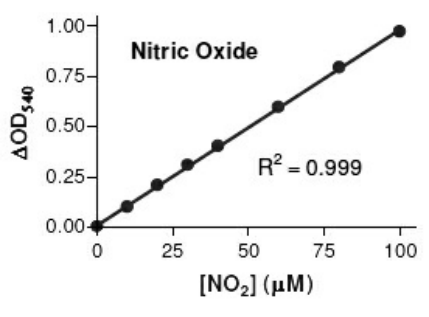
Nitric Oxide Assay Kit

Catalog # KA1641 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	Nitric Oxide Assay Kit is a quantitative colorimetric determination of Nitric Oxide at 540 nm.
Suitable Sample	Cell, Food Sample, Plasma, Serum, Tissue, Urine
Sample Volume	100 uL
Detection Method	Colorimetric
Assay Type	Quantitative
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard Curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store standard at -20°C. Store all other components at -20 to 4°C.

Applications

- Functional Study

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Publication Reference

- Dental Glass Ionomer Cement for Root Perforation Management: Physicochemical Characteristics and In Vitro Cell Response.

  Alexandra Popa, Radu-Vasile Radulescu, Florentina Rus, Vlad Gabriel Vasilescu, Lucian Toma Ciocan, Monica Musteanu, Marina Imre, Silviu Pituru, Ana Cernega, Alexandra Ripszky, Ecaterina Andronescu.

  Dentistry Journal 2026 May; 14(5):284.

  Application: Quant, Human, Human osteosarcoma cells in culture medium

- Physicochemical Characterization and In Vitro Biocompatibility of Epoxy-and Silicone-Based Endodontic Materials.

  Alexandra Popa, Marina Imre, Silviu Mirel Pițuru, Bianca Voicu-Bălașea, Ana Cernega, Radu-Vasile Rădulescu, Florentina Rus, Roxana Trușcă, Monica Musteanu, Ecaterina Andronescu, Alexandra Ripszky.

  Materials 2026 Mar; 19(7):1388.

  Application: Quant, Human, G292 cells

- Redefining vascular repair: revealing cellular responses on PEUU-gelatin electrospun vascular grafts for endothelialization and immune responses on in vitro models.

  María A Rodríguez-Soto, Alejandra Riveros-Cortés, Ian C Orjuela-Garzón, Inés María Fernández-Calderón, Cristian F Rodríguez, Natalia Suárez Vargas, Carlos Ostos, Carolina Muñoz Camargo, Juan C Cruz, Seungil Kim, Antonio D'Amore, William R Wagner, Juan C Briceño.

  Frontiers in Bioengineering and Biotechnology. 2024 Jun; 12:1410863.

  Application: Quant, Human, Cell media

- Polyester urethane urea (PEUU) functionalization for enhanced anti-thrombotic performance: advancing regenerative cardiovascular devices through innovative surface modifications.

  María A Rodríguez-Soto., Natalia Suárez Vargas., María Ayala-Velásquez., Andrés M Aragón-Rivera., Carlos Ostos., Juan C Cruz., Carolina Muñoz Camargo., Seungil Kim., Antonio D'Amore., William R Wagner., Juan C Briceño.

  Frontiers in Bioengineering and Biotechnology 2023 Sep; 11:1257778.

  Application: HDAC Activity Assay, Human, THP-1 cells

- Aerobic exercise improves central blood pressure and blood pressure variability among patients with resistant hypertension: results of the EnRicH trial.

  Susana Lopes, José Mesquita-Bastos, Catarina Garcia, Cátia Leitão, Verónica Ribau, Manuel Teixeira, Susana Bertoquini, Ilda P Ribeiro, Joana Barbosa de Melo, José Oliveira, Daniela Figueiredo, Guilherme V Guimarães, Linda S Pescatello, Jorge Polonia, Alberto J Alves, Fernando Ribeiro.

  Hypertension Research 2023 Jun; 46(6):1547.

  Application: Func, Human, Human plasma

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- Convergently selected NPF2.12 coordinates root growth and nitrogen use efficiency in wheat and barley.

  Md Nurealam Siddiqui, Kailash Pandey, Suzan Kumer Bhadhury, Bahman Sadeqi, Michael Schneider, Miguel Sanchez-Garcia, Benjamin Stich, Gabriel Schaaf, Jens Léon, Agim Ballvora.

  The New Phytologist 2023 Feb; [Epub].

  Application: Func, Durum wheat (Triticum turgidum), Roots

- Anti-inflammatory effects of oral and intraperitoneal administration of cerium oxide nanoparticles on experimental hepatic ischemia-reperfusion injury.

  Akile Zengin, Acelya Erikci, Gokcen Tell?, Bulent GUmU?el, Kemal Kosemehmetoglu, Gulberk Ucar, Mustafa Cem Alg?n

  Turk J Surg 2022 Sep; 38(3):255-265.

- Neutrophil membrane-mimicking nanodecoys with intrinsic anti-inflammatory properties alleviate sepsis-induced acute liver injury and lethality in a mouse endotoxemia model.

  Yao Xiao, Chao Ren, Gan Chen, Pan Shang, Xiang Song, Guoxing You, Shaoduo Yan, Yongming Yao, Hong Zhou.

  Materials Today. Bio 2022 Mar; 14:100244.

  Application: Func, Mouse, NCTC1469 cells

- SSRI-reduced platelet reactivity in non-responding patients with life-long Recurrent Depressive Disorder: Detection and involved mechanisms.

  Aleksovski B, Neceva V, Vujović V, Manusheva N, Rendevski V, Novotni A, Filipce A, Spasovska A, Sofijanova A, Aleksovski V, Gjorgoski I.

  Thrombosis Research 2018 May; 165:24.

  Application: Func, Human, Plasma

- In vitro tenocyte metabolism in aging and oestrogen deficiency.

  P Torricelli, F Veronesi, S Pagani, N Maffulli, S Masiero, A Frizziero, M Fini

  Age (Dordr) 2013 12; 35(6):2125-36.

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