

Product Specification Sheet

Nitric Oxide Synthase Cofactors
Product Number: NS70
Aliquot: 1.2 mL
Lot Number: ns70.220201
Storage: -20°C

- DESCRIPTION:** This product consists of compounds necessary for the activity of all members of the nitric oxide synthase (NOS) family including iNOS, eNOS, and nNOS. The combination of flavin adenine dinucleotide (FAD), flavin mononucleotide (FMN), and calmodulin are supplied in HEPES buffer at 25x of optimal concentration for NOS activity.
- QUANTITY:** 1.2 mL supplied in HEPES buffer. Contains 25 μ M flavin adenine dinucleotide (FAD), 25 μ M flavin mononucleotide (FMN), and 2.5 μ M calmodulin.
- USES:** This product is optimized at a 25x concentration to be used with our Ultrasensitive NOS Assay, product number NB78, when using purified or recombinant NOS in the assay. The cofactors can also be used in any other assay where purified or recombinant NOS activity is required.
- STORAGE:** This product is to be stored at -20°C and is stable for one year from the date of arrival.
- REFERENCES:**
1. Ghigo, D. et al. *Nitric Oxide*. 15(2):148. (2006).
 2. MacMicking J. et al. *Annual Review of Immunology*. 15(1):323 (1997).