

NECi Nitrate Reductase (NaR)

Immunoaffinity Purified – High Specific Activity Corn Leaf NADH:NaR.

NECi Catalog No. NAR-1, NAR-2

NECi NADH:Nitrate Reductase

NECi NaR is highly purified from corn leaf extracts by monoclonal antibody-based immunoaffinity chromatography and after transfer to a MOPS buffer, the NaR is concentrated to ~10 activity units NaR/ml, where 1 unit = 1 μ mol nitrate reduced per min; 1 unit NaR = ~10 μ g enzyme protein.

NaR is available in 2 forms:

- **NAR-1** Freeze-dried purified enzyme, which is stable for ~6 months when stored in a desiccator at 4°C or -20°C.
- **NAR-2** Purified enzyme in a stabilized solution which is stable for 6 to 12 months when stored at -20°C.

NaR-1 is shipped at room temperature; NaR-2 requires shipping on dry ice.

NaR Applications:

1. Make your own nitrate analysis system at lower costs than NECi Nitrate Test Kits. For labs with less funding and those that do not like to use commercial kits.
2. Use the highly purified NaR as a standard in research when you are analyzing NaR activity in plants or recombinant expression systems.
3. Use corn NaR as standard NaR for immunochemical methods such as Western Blots or ELISA. Anti-NaR polyclonal antibodies from rabbits and murine monoclonal antibodies are also available.

NECi Products are Great for Teaching!

Education Discounts for Lab Nitrate Test Kits (L-NTK-203 and L-NTK-204)

Students Learn Nitrate Analysis while Using a Plant Nitrate Reductase

Nitrate Analysis Teaching Modules in Development – Contact NECi for Details



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