



**NECi**

# The Nitrate Elimination Co., Inc.

**TO PLACE AN ORDER:**

Tel: 1-888-NITRATE (Toll Free)      Secure OnLine: [www.nitrate.com](http://www.nitrate.com)  
 1-906-296-1000      Fax: 1-906-296-8003  
 Email: [sales@nitrate.com](mailto:sales@nitrate.com)      Website: [nitrate.com](http://nitrate.com)  
 Mail: 217 Calumet St., Lake Linden, MI 49945 USA

## NECi ORDER FORM

- Remember to add "S" to the item number if you are measuring nitrate in salt water.
- 15% discount on L and M-series NTK's for classroom use!
- All products are available at discount prices for bulk orders. Just call to discuss.

QTY	Item #	Product Description	Price	Total

**ORDER INFORMATION** (Please print clearly)

<b>Bill to Name</b>		<b>Ship to Name</b>	
Company		Company	
Address		Address	
City	State	Zip	
Phone	Fax	Email	
<b>Shipping to US Addresses</b> (For international orders please inquire)			Calculate Cost (optional)
<input type="checkbox"/> USPS Priority \$8.00/kit	<input type="checkbox"/> UPS 2-Day Air	<input type="checkbox"/> UPS Next Day Air or dry ice service	
For orders under \$100 only      Varies      Price varies, please inquire			
<b>Payment</b> (Indicate tax exempt number, if applicable)			Sub Total
<input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> PO# <input type="checkbox"/> Check			6% tax (MI only)
<b>PO or Card #</b>		Exp. Date ___/___	Shipping
Name on card			Grand Total

*Thank you for your order!*

We can provide Instructions for nitrate determinations in salt water, plant extracts, soil samples, etc.

Visit our website for protocols and to request copies of our technical publications.

**All of our products are available for Dealer, Distributor, OEM arrangements.**

**For Contract enzyme production services, contact Ellen R Campbell, Vice President, 1.906.296.1000 or [ellenr@nitrate.com](mailto:ellenr@nitrate.com)**



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**Nitrate testing? Think Enzymes! Enzyme-based nitrate analysis is accurate, reliable, economical, and environmentally benign.**

**NECi's science** is based on the academic research program of Dr Wilbur H Campbell, Emeritus Professor, Michigan Technological University. Dr Campbell's academic programs were supported by the US Dept of Agriculture and the National Science Foundation. NECi was founded in 1993 by Dr and Mrs Campbell.

### **NECi's R&D efforts have been funded by the SBIR program**

- ⊗ Nitrate test kits have been developed with funding from the **US Dept of Agriculture (USDA)**
- ⊗ Automated nitrate analysis reagent systems (ARKs) are being developed with **USDA** support
- ⊗ Recombinant Superior Stock Nitrate Reductase (NaR) was developed with funding from the General Medical Sciences institute of the **National Institutes of Health (NIH)**
- ⊗ Nitrate Biosensor R&D projects have been funded by **NIH** and the **US Dept of Energy**
- ⊗ Immobilized enzyme technology for biocatalytic removal of nitrate from water was funded by **US EPA**

### **Collaboration Partners:**

James M Cregg, Keck Graduate Institute of Applied Life Sciences, CA  
Charles T MacKown, US Dept of Agriculture Grazinglands Research Station, OK  
Charles J Patton, US Geological Survey, Nat'l Water Quality Lab, Denver, CO

### **Commercial Customers and Distributors:**

Assay Designs Inc. Benelux: Gentaur Molecular Products bvba  
Oxford Biomedical Research Inc. Japan: CosmoBio Ltd  
Sigma Chemical Company Taiwan: Bio Chiefdom Ltd  
YSI Inc.

### **Representative University and Industry Customers:**

Bristol-Meyers/Squibb Scripps Oceanographic Institute  
Hong Kong University SEA Education Associates of Woods Hole, MA  
Utah Dept of Ag & Food Florida Food Products Inc  
UC Davis Dept of Chemical Engineering Rush Presbyterian St Lukes Medical Center  
Kwangwoon University, Korea Ag Certification Svce., New Brunswick Canada

### **Validations and Technical Publications:**

SA Glazier, ER Campbell & WH Campbell (1998) Construction and characterization of nitrate reductase-based amperometric electrode and nitrate assay of fertilizers and drinking water. **Anal. Chem.** 70(8):1511-1515.

ER Campbell, WH Campbell (1998) Determination of nitrate in aqueous matrices using nitrate reductase. **In: Current Protocols in Field Analytical Chem., Suppl. 1**, JWiley & Sons, Chapter 5A.

ER Campbell, TPK Skidmore, LA Winowiecki & WH Campbell (2001) A new trend in nitrate analysis: enzyme-based field test for nitrate. **Am Env Lab** 33(4):90-94, [online@iscpubs.com/articles](http://online@iscpubs.com/articles)

Environmental Technology Verification Report, available online: [epa.gov/etv](http://epa.gov/etv)

CJ Patton, AE Fischer, WH Campbell & ER Campbell (2002) Corn leaf nitrate reductase – A nontoxic alternative to cadmium for photometric nitrate determinations in water samples by air-segmented continuous-flow analysis. **Env Sci. & Technology** 36(4):729-735

CT MacKown & JC Weik (2004) Comparison of laboratory and quick-test methods for forage nitrate. **Crop Science**, Jan/Feb issue