



CUSTOM LABORATORY SERVICES



NATIONAL ENZYME COMPANY

With over 75 years of experience in enzyme supplementation, National Enzyme Company is uniquely qualified to deliver the laboratory support you need to formulate, manufacture, and market to your product's fullest potential. We offer our laboratory capabilities as just one example of NEC's continuing commitment to deliver a full spectrum of value-added customer services.

TESTING CAPABILITIES

National Enzyme Company's unique testing capabilities enable our laboratory to provide the information you need to set your enzyme-based dietary supplement apart. For more information on our testing or for pricing, please call your account executive. Our testing capabilities include:

- Stability Testing
- Manufacturing Validation
- Method Development
- Method Validation
- Post-Market Surveillance
- Simulated Gastric/Intestinal Fluids
- HPLC and TLC Experiments
- Electrophoresis Techniques
- ELISA

Our laboratory methods are derived from peer-reviewed compendial sources such as: Food and Chemicals Codex (FCC), and the Official Methods of Analysis of the Association of Official Analytical Chemists (AOAC), and the United States Pharmacopeia (USP).

SAMPLE REQUIREMENTS

We recommend a 50 gram sample size for all testing purposes.

LABORATORY FEE SCHEDULE

Enzyme Analysis - \$175 per sample unless otherwise indicated. \$250 per sample for non-customers of NEC, unless otherwise indicated.

alpha-amylase (FCCV DU's)	Lipase (FCCV FIP's)
Bromelain (FCCV PU's)	Malt Diastase (FCCV DP SM 's)
Cellulase (FCCV CU's)	Papain (FCCV PU's)
Ficin (FCCV PU's)	Pectinase (FCCV PGU's)
alpha-Galactosidase (FCCV GalU's)	Peptidase (FCCV HUT's)
beta-glucanase (FCCV BGU's) \$250 /\$350	Peptidase (FCC AP's)
beta-glucosidase (NEC ISOU's)	Phytase (FCCV FTU's) \$250 /\$350
Glucoamylase (FCCV AGU's)	Protease (FCCV HUT's)
Hemicellulase (FCCV HCU's)	Protease – acid stable (FCCV SAPU's)
Invertase (Sumner Units)	Protease – bacterial (FCCV PC's)
Lactase (FCCV ALU's)	USP Protease
Nattokinase (FU) \$250 /\$350	USP Amylase
Serratio-peptidase (U) \$250 /\$350	USP Lipase
Lipase (FCCIII LU's)	Transglucosidase (U) \$250 /\$350



MICROBIOLOGICAL TESTING

NEC maintains a microbiology lab for in-house quality control support. A limited number of microbiological projects or services may be made available to NEC customers as part of a value-added contract manufacturing agreement. Please call for a quote.

WARRANTS AND LIMITS OF LIABILITY

Our warranty is limited to the accuracy of analyses of samples as received. We assume no responsibility for the purposes for which

the client uses the test results, nor liability for any other warranties, expressed or implied, including warranties of fitness for a particular purpose or for merchantability made by the client. These terms and condition shall supersede any conflicting terms and conditions stated on any purchase order, or other order of work submitted by the client.

OTHER TERMS

Testing fees and availabilities are subject to change without notice. NEC is able to provide these testing services primarily as part of a formulation/manufacturing agreement. Samples are accepted at the discretion of your account executive.

