

SOP: SP047

Submission of Peptidoglycan for Amino Acid Composition

Materials

H₂O, B&J grade
1.5 ml sterile eppendorf tube
15 ml conical tube
Styrofoam shipping peanuts
Small frozen gel packs
FedEx US airbill

Protocol

1. _____ Obtain submission form from U. Nebraska Medical Center website. Go to the Protein Structure Core Facility page.
2. _____ Obtain a purchase order number from ordering personnel. It may take a day to receive clearance from the departmental office.
3. _____ Resuspend dried peptidoglycan, free of arabinose and galactose, in enough H₂O to aliquot at least 50 ug in at least 50 ul to a screwtop 1.5 ml tube with o-ring. [Note 1]
4. _____ Enclose the tube in a 15 ml conical tube for protection during shipment.
5. _____ Obtain a shipping box from C211. Partially fill with packing peanuts and two small frozen gel packs.
6. _____ Enclose the completed shipping form in a large freezer bag, placed inside the Styrofoam container. [Note 2]
7. _____ Submit shipping information so that ordering personnel can fill out a FedEx US Airbill. Inform them of the package weight. . [Note 3]

Notes

- (1) The peptidoglycan protocol [PP013] entails checking for ara/gal via the GC.
- (2) Make certain to request analysis for diaminopimelate (DAP) as an unusual amino acid. Previous composition tests have shown at least 50% DAP by this procedure.
- (3) Use fund 534401 as the Internal Billing Reference. Request standard overnight service, "Other" for Packaging, "No" for dangerous goods. Request billing to Sender, weigh the parcel in C221 and claim the total value as 100 USD. Often the lab secretary can do this online, and will handle other pertinent details to get the box shipped.

The lab office will provide our account number for section 1. Ship to the address shown below:

University of Nebraska Medical Center
Protein Core Structure Facility
Mail Stop 5819
668 S 41st Street
Omaha NE 68105