

Amino Acid Analysis Research Group 2003 Study

The ABRF Amino Acid Analysis Research Group would like to invite you to participate in our study to be presented at the ABRF 2003.

The AAA2003 study is a continuation of a previous study focussing on quantitation of proteins by amino acid analysis and dye-binding assays. Each participating laboratory will receive five separate solutions of pure proteins (approx. 2.5 mg/mL in water). The concentration of each should be determined by AAA as well as by the BCA or Bradford assays. An additional sample will be supplied for the calibration of the dye-binding assay. The goal of the study is to examine the use of AAA for determining the exact protein concentration in each sample and to compare these data with the results of the colorimetric assays. We hope to determine whether colorimetric assays are a reliable method of quantitating unknowns when using a standard protein as reference.

We encourage all laboratories to participate in this study even if they can only perform either the AAA or the dye-binding assay part of the study. Participating laboratories that are unable to absorb the costs of the study may apply for a reimbursement of up to \$50US (max.). This subsidy is available only to ABRF members. While the study is also open to non-members of the ABRF, in the event of high demand for samples, priority of supply will be to ABRF members.

Please order your samples by October 11, 2002 by sending an e-mail to malterman@ku.edu with AAA2003 in the subject line. Include your name and complete mailing address in a format that can be cut and used as labels. Deadline for data submission is November 22, 2002.