



Fig. 1. Aluminum blocks, hotplates, and Teflon-lined cap micro vials. (A) Removal of solvent from micro samples or amino acid esters by heating at 100° and directing a stream of dry filtered nitrogen gas over the samples. (B) Direct esterification and acylation of the micro samples by heating at 100° and 150° , respectively.

TABLE II
TEMPERATURE AND CONDITIONS FOR ALUMINUM BLOCK

Block 1	100°, sample drying (N ₂ blow) under fume hood
Block 2	100°, esterification
Block 3	150°, acylation, behind safety glass shield

Apparatus needs little bench space and one can finish four derivatized samples per hour. This results in an efficient analytical procedure.

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1. D. ROACH AND C. W. GEHRKE, *J. Chromatogr.*, **44** (1969) 299.
2. C. W. GEHRKE, D. ROACH, R. W. ZUMWALT, D. L. STALLING AND L. L. WALL, *Quantitative Gas-Liquid Chromatography of Amino Acids in Proteins and Biological Substances*, Anal. Biochem. Lab. Inc., Columbia, Mo., 1968.
3. C. C. BROOKS AND J. M. L. MEE, unpublished data.
4. J. M. L. MEE AND C. C. BROOKS, *J. Chromatogr.*, **62** (1971) 141.

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