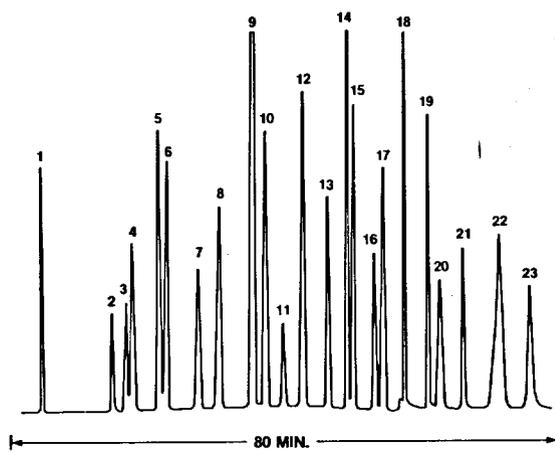


### Ion Exchange Separation of Hydrolyzate Amino Acids



The ion exchange analysis of hydrolyzate amino acids employs a pH gradient with post column fluorescent derivatization. Routine sensitivities of 100 picomoles can be readily achieved in typical laboratory situations.

- |                         |                    |
|-------------------------|--------------------|
| 1. Cysteic Acid         | 12. Valine         |
| 2. Methionine Sulfoxide | 13. Methionine     |
| 3. Hydroxy Proline      | 14. Isoleucine     |
| 4. Aspartic Acid        | 15. Leucine        |
| 5. Threonine            | 16. Tyrosine       |
| 6. Serine               | 17. Phenylalanine  |
| 7. Glutamic Acid        | 18. Histidine      |
| 8. Proline              | 19. Hydroxy Lysine |
| 9. Glycine              | 20. Tryptophan     |
| 10. Alanine             | 21. Lysine         |
| 11. Cystine             | 22. Ammonia        |
|                         | 23. Arginine       |

know-how. Waters has both in abundance.

Every Waters customer is supported by a team of chromatography experts, consisting of a technical representative, a field service engineer, and laboratory application specialists. Their combined expertise and experience in HPLC are at your fingertips to solve your special application problems.

*Waters maintains a fully operational applications laboratory at their Toronto offices.* The purpose of this lab is threefold: a) chromatographing customers samples to ensure the proper instrument and configuration is purchased b) Customer support in the form of running samples for current users of Waters instrumentation c) basic research in High Performance Liquid Chromatography.

### RESPONSIVE SERVICE

An integral part of Waters' customer support program is responsive, quality service from a team of experienced professionals. The field service specialists are specifically trained in the operation and maintenance of all

liquid chromatography instrumentation and are available to respond to your service needs quickly and effectively.

*Waters maintains the largest service support group dedicated solely to Liquid Chromatography in Canada.* Replacement, spares and parts are stocked not only in the main Toronto office, but at regional service centres across the country. Typically they can provide 24 hour service. Service options include in-lab demand service, service plans and contracts. Instruments can often be repaired in-house the same day & service loaners are available.

In addition, your service needs can be rapidly met with a call to in-house service experts. Telephone instructions from these experts can often get you up and running that same day.

### IN-DEPTH TRAINING AND EDUCATION

Liquid Chromatography is a powerful separations tool and may be used on a routine basis or for specific research applications, however the full capability of an LC may go unrealized unless an earnest effort is made to achieve a comprehensive understanding of exactly what LC is, how it works, and how it can be used.

Waters ongoing program of customer education provides an excellent opportunity to learn. Waters conducts, on a routine basis, comprehensive four-day customer training schools in Toronto or short-course schools in various cities throughout Canada. These schools provide users with the scope and depth of knowledge needed to solve both immediate and future LC separations problems.

Schools are conducted also on specialized micro-processor controlled equipment. In addition, Waters periodically holds in-house schools and seminars across Canada.

### PRONTO SERVICE

Why wait for 30-60 days to make a 10 minute separation. *Fast delivery is guaranteed or you get \$100 off your next column purchase.* Waters is Canada's largest supplier of HPLC equipment and supplies, stocking most parts right here in Canada. Therefore, they can now offer this unique service: If you specify PRONTO SERVICE when placing your column order, they guarantee to ship within 24 hours (or the next working day), or will give you \$100 credit toward your next column purchase. This service is available on most of the commonly used columns. Longer shipping time may be required for quantities totalling more than 5 of any individual item, or for columns that are specially packed.

Waters, the Canadian Liquid Chromatography people, is the only company that has HPLC as it's only business right in Canada. We invite your inquiries as to your interest in HPLC instrumentation, supplies and general application needs.