

# The Journal of PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS

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Founded by John J. Abel 1909

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# Therapeutic Drug Monitoring — Plus

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## 1983 Surveys — College of American Pathologists Interlaboratory Comparison Program

For 1983, the College of American Pathologists offers you the highest quality in interlaboratory comparison programs in therapeutic drug monitoring. The Surveys specimens shipped quarterly for analysis in your laboratory will contain 21 drugs in subtherapeutic, therapeutic, and toxic concentrations, including antiepileptic and certain cardiac and psychiatric drugs, bronchodilators, antineoplastic drugs, and antimicrobials.

### The 1983 Therapeutic Drug Monitoring Survey is designed to:

- provide your laboratory with a data base to help you evaluate your instrumentation and methodology, and, thus, improve your performance;
- provide an interlaboratory comparison program covering drugs for which plasma level monitoring is dictated;
- assess the state of the art in therapeutic drug monitoring; and
- introduce new drugs for which there is an increasing need to monitor plasma levels.

The 1983 "plus" in the CAP's Therapeutic Drug Monitoring Survey is the continuation of *Therapeutic Drug Monitoring Reference Material ZRM*.

Available only to participants in the Therapeutic Drug Monitoring Survey program, this quality control material has undergone more extensive analysis than any other material available in this form. The concentration of each measured analyte in ZRM has been established after critical analysis of data from the participating laboratories in the CAP Therapeutic Drug Monitoring program.

Virtually every method in use on any system has contributed concentration values to the data base, allowing specific comparison with your own methods to a degree of reliability not found in any other quality control material. This unique data base supplies you with the most up-to-date approach to insure a high quality analytical effort.

### Survey Z Therapeutic Drug Monitoring **\$500.00**

Each of the four shipments includes six serum samples (5 ml to 10 ml/sample) containing four or more drugs for analysis for a total of 166 challenges during the year.

### Reference Material ZRM Therapeutic Drug Monitoring Reference Material **\$400.00**

Participants in the Therapeutic Drug Monitoring Survey may purchase up to 10 additional reference material sets (twenty-four 5 ml vials) annually.

Reference Material ZRM must be ordered in advance and is available only to those laboratories enrolled in Survey Z.

*The CAP cannot guarantee that all shipments in a Survey will be available for orders received after Dec. 31, 1982. There is an administrative charge of \$20 for orders receiving partial shipments.*

For further information on the Therapeutic Drug Monitoring Survey program and Reference Material, please call or write:

**College of American Pathologists**  
7400 North Skokie Boulevard  
Skokie, Illinois 60077  
Telephone: 312/677-3500



CAP Surveys  
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Participants in either Survey receive clinically oriented samples along with simulated patient information. They identify the analytes present and quantify concentrations where appropriate. Emphasis is placed on drugs of abuse in toxic concentrations. Participant evaluation reports include detailed educational critiques that compare expected results with participant findings and make recommendations as to how difficult cases may have been analyzed more appropriately.

### These Toxicology Surveys are designed to:

- allow participants to gain experience through intercomparison of procedures, kits, and instruments;
- provide the data necessary for developing and selecting proper standards, controls, and reference material;

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- be of continued educational value while assessing the state of the art in drug screening.

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JPET-09

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