

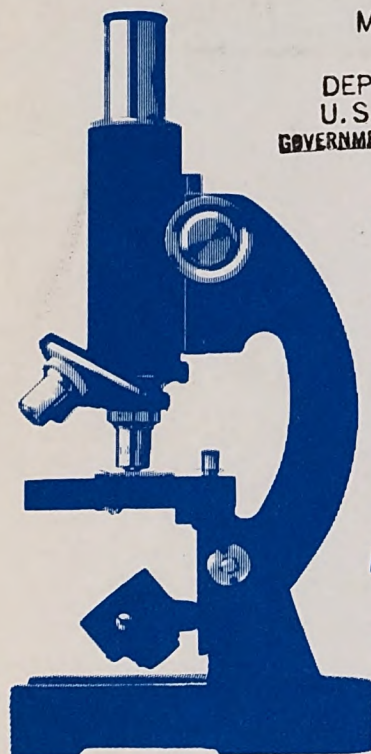
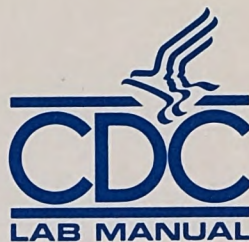
WILS
GOVU
HE 20.7008:In 8/2/982

782

UNIVERSITY OF
MINNESOTA LIBRARY

MAY 18 1985

DEPOSITORY PUBN.
U.S. - G. P. O. - D-295
GOVERNMENT PUBLICATIONS DIVISION



LABORATORY PROCEDURES FOR THE DIAGNOSIS OF INTESTINAL PARASITES

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
Centers for Disease Control

CONCENTRATION
SPECIMEN

METHODS

SELECTION OF
PROCEDURES FOR

PRESERVATION
OF SPECIMENS

MICROSCOPY

MOUNTS



**LABORATORY
PROCEDURES
FOR
THE DIAGNOSIS
OF INTESTINAL PARASITES**

Dorothy M. Melvin, Ph.D.
and
Marion M. Brooke, Sc.D.

THIRD EDITION, 1982
Reprinted January 1985

**U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
CENTERS FOR DISEASE CONTROL
LABORATORY IMPROVEMENT PROGRAM OFFICE
LABORATORY TRAINING AND CONSULTATION DIVISION
ATLANTA, GEORGIA 30333**

HHS Publication No. (CDC) 85-8282

Use of trade names is for identification only and does not constitute endorsement by the Public Health Service or by the U.S. Department of Health and Human Services

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402

PREFACE

This manual is based on material developed for courses in the "Laboratory Diagnosis of Parasitic Diseases," which have been presented by the Centers for Disease Control (CDC) since 1945. The authors have been associated with these courses since their beginning and have evaluated a great deal of material in preparing laboratory manuals and brochures for student use. This manual contains information on practical procedures for performing parasitologic examinations in public health and medical laboratories. It includes information on collecting and processing specimens, methods of examination, and establishing reliable routine laboratory regimens for different types of laboratories. Information on collecting and shipping specimens for serologic testing is also included, although immunodiagnostic procedures are not discussed. The diagnostic stages of intestinal helminths and protozoa have been described by the authors in another publication: *Morphology of the Diagnostic Stages of Intestinal Parasites of Man* (Brooke and Melvin, 1978), and are not included here.

Like previous editions this third edition of the manual is divided into two sections: (1) a text section in which the available diagnostic procedures and methods are described and evaluated, and (2) a techniques section which gives step-by-step directions for diagnostic procedures, formulas for solutions, and methods for preparing and examining specimens. The techniques section also contains information on microscopy, the calibration of ocular micrometers, quality control, and safety precautions.

Some of the material in this manual has been taken from *Amebiasis: Methods in Laboratory Diagnosis* by Marion M. Brooke (out of print) and the self-instructional lesson prepared by CDC, *Amebiasis: Laboratory Diagnosis: Part III: Laboratory Procedures* (see Reference Materials in QUALITY CONTROL for source).

The authors acknowledge the contributions of numerous associates over the years and thank the various people who have assisted in the preparation of the manual, particularly Miss Edwina B. Davis, Chief, and Mr. Philip Thompson, Publication Activities, Center for Infectious Diseases, who edited the material, Dr. John Krickel, Director of the Laboratory Training and Consultation Division, who helped in developing the format of the original manual, Mrs. China Christian who typed the manuscript, and Mr. Ed Biel, artist, Graphics

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.