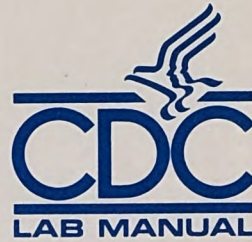


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LABORATORY PROCEDURES FOR THE DIAGNOSIS OF INTESTINAL PARASITES

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**

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and
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**U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
CENTERS FOR DISEASE CONTROL
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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

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