

Histotechnology

A Self-Instructional Text

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Freida L Carson

PhD, HT(ASCP)

Department of Pathology (retired)
Baylor University Medical Center
Dallas, Texas

Christa Hladik

AA, HT(ASCP)^{cm}, QIHC

Clinical Laboratory Manager,
Neuropathology and Immunohistochemistry,
UT Southwestern Clinical Laboratories,
University of Texas Southwestern Medical Center
Dallas, Texas



American Society for
Clinical Pathology
Press

Publishing Team

Adam Fanucci (Illustrations)

Erik N Tanck & Tae W Moon (Design/Production)

Joshua Weikersheimer (Publishing direction)

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Cover Images

Image (left): Hematoxylin eosin (H&E)—small intestine

Image (middle): Papanicolaou—cervical smear

Image (right): Alcian yellow-toluidine blue—gastric biopsy showing *H pylori*



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Clinical Pathology
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Printed in Hong Kong

13 12 11 10 09

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		314	α-NAPHTHYL ACETATE ESTERASE STAIN FOR MUSCLE BIOPSIES
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		315	Sodium Nitrite, 4% Solution
		315	α -Naphthyl Acetate in Acetone, 1% Solution
		315	1N HCl
		315	1N Sodium Hydroxide
		315	Incubation Solution (prepare just before use)
		316	NAPHTHOL AS-D CHLOROACETATE ESTERASE TECHNIQUE
		316	Esterase Solution A
		317	Esterase Solution B
		317	Esterase Solution C
		317	0.1N HCl
		317	0.1M Sodium Barbital (Sodium Diethylbarbiturate)
		317	Working Esterase Solution
		317	MAYER HEMATOXYLIN
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		318	Barbital Acetate Buffer Stock Solution A
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Preface

The reception of the first two editions of this text has far exceeded my expectations, and I am very grateful that it has found such a welcome place in the field of histotechnology. The field has changed, especially in the areas of immunohistochemistry and instrumentation, since the publication of the second edition, and there was a need to update the text; therefore I have asked Christa Hladik, AA, HT(ASCP)^{cm}, QIHC, clinical laboratory manager, Neuropathology and Immunohistochemistry, UT Southwestern Clinical Laboratories, University of Texas Southwestern Medical Center at Dallas, TX, to join me as an author of the third edition. My experience in these areas has been limited due to my retirement several years ago. All chapters have been carefully reviewed and most have been updated or expanded. We have attempted to increase the emphasis on troubleshooting in many areas and have added numerous illustrations. We are also pleased to add a chapter on cytopreparatory techniques by Beth Cox, who is certified by ASCP as both a histotechnician and a specialist in cytology.

It is our hope that this updated edition will continue to serve as a basic guide for all students of histotechnology, or for practicing technicians, technologists, residents, and pathologists seeking to gain a better understanding of the technology utilized in the histopathology laboratory.

We are especially grateful to Agatha Villegas and Nicci Duckworth for assisting with the preliminary typing of many chapters; to Charles White III, MD, Director of the Division of

Neuropathology and Immunohistochemistry and Histology Laboratories, UT Southwestern Medical Center at Dallas, TX, for assistance with photographs, chapter review, and mentoring for the immunohistochemistry and instrumentation chapters; to Dennis Burns, MD, Division of Neuropathology, UT Southwestern Medical Center at Dallas, TX, for photomicrographs; to all the staff at UT Southwestern Medical Center at Dallas, TX, who work in the Neuropathology, Immunohistochemistry, and Histology Laboratories and in the gross room at St Paul University Hospital for their assistance with tissue preparation and staining. Major contributions were made by the following: Amy Davis, HTL(ASCP), Debra Maddox, HT(ASCP)QIHC, Ping Shang, HT(ASCP)QIHC, Pattie Seward, HT(ASCP), Dawn Bogard, HT(ASCP), Courtney Andrews, HTL(ASCP), Gwen Beasley, HT(ASCP), Eva Osborn, PA(ASCP), and Chan Foong, PA(ASCP), and Steve Lee, BS, HT(ASCP).

Our thanks also go to Maureen Doran, HTL(ASCP), Chair of the Health and Safety Committee of the National Society for Histotechnology, for reviewing the Safety chapter and offering many helpful suggestions, and to Robert Lott, HTL(ASCP), who was able to provide help with images when needed.

Again, to all of you who are students of histotechnology, who continue to search for answers in this field of part art and part science, and who care first and foremost about the quality of your work on the specimens entrusted to you, we dedicate this third edition.