Drug Dosage

The authors and the publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accord with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and
dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new and/or infrequently employed drug.

All rights reserved
No part of this publication may be translated into other languages, reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, microcopying, or by any information storage and retrieval system, without permission in writing from the publisher.

© Copyright 1984 by S.Karger AG, P.O.Box, CH-4009 Basel (Switzerland)
Printed in Switzerland by Druckerei ‘Der Bund’, Bern
ISBN 3-8055-3722-0

Contents

1. Introduction

Baum, S.J. (Bethesda, Md) 1

2. Special Techniques for the Separation of Hemopoietic Cells

A. Elutriation
Jemionek, J.F.; Monroy, R.L. (Bethesda, Md.) 12
B. Flow Cytometry in Experimental Hematology
van denEngh, G.; Visser, J. (Rijswijk) 42

3. Methodology for the Identification and Characterization of Hematopoietic Cells

A. Clonal Assays for Multipotential Hemopoietic Cells in vitro
Johnson, G.R. (Melbourne, Vic.) 63
B. Erythropoietic Cells
Eaves, C.J.; Krystal, G.; Eaves, A.C. (Vancouver, B.C.) 81
C. The Macrophage Colony-Forming Cell
Mac Vittie, T.J. (Bethesda, Md.) 112
D. Megakaryocytic Cells
Nakeff, A. (St. Louis, Mo.) 131

4. Studies of the Hematopoietic Microenvironment
A. Hematopoietic Stroma and Microenvironment
Wilson, F.D. (Albany, Calif.) 210

B. Thymic Microenvironment
Crouse, D.A. (Omaha, Nebr.); Jordan, R.K. (Newcastle); Sharp, J.G. (Omaha, Nebr.) 293

Contents VI

5. Special Techniques for Cell Growth and Differentiation

A. In vivo Diffusion Chamber Culture Methodology
Carsten, A.L. (Upton, N.Y.) 321

B. Long-Term Bone Marrow Cultures
Spooncer, E.; Dexter, T.M. (Manchester) 366

C. Cell Proliferation Kinetics Analyzed with BrdU and Near-UV Light Treatment
Hagan, M.P. (Bethesda, Md.) 384

Subject Index 402