

TABLE OF CONTENTS

Volume I

Chapter 1	
Separation Techniques for Mononuclear Blood Cells	1
A. Bøyum	
Chapter 2	
The HLA System and Cross-Reactivity	13
F. Kissmeyer-Nielsen	
Chapter 3	
New Aspects of HLA Serology and Biochemistry Defined Using Monoclonal Antibodies	23
F. M. Brodsky and P. Parham	
Chapter 4	
Lysostrip, F(ab') ₂ Blocking	39
P. Richardi	
Chapter 5	
Screening for HLA Sera	57
C. P. Engelfriet, P. M. van den Berg-Loonen, and G. G. de Lange	
Chapter 6	
Planned Immunization for the Production of HLA Alloantibodies	63
D. Albrechtsen, B. G. Solheim, and E. Thorsby	
Chapter 7	
Operationally Specific Xenoantisera to Allospecificities of the HLA Antigenic System	71
B. G. Solheim and S. Ferrone	
Chapter 8	
Antigenic Constitution of HLA-A,B,C, Molecules: Immunochemical Analysis with Monoclonal Antibodies	77
C. Russo, M. A. Pellegrino, A. K. Ng, B. S. Wilson, and S. Ferrone	
Chapter 9	
Technical Aspects and Clinical Relevance of HLA Typing and the Crossmatch Test in Kidney Transplantation	101
A. Ting	
Chapter 10	
Separation of B Lymphocytes and HLA-DR Typing	119
A. van Leeuwen and J. J. van Rood	
Chapter 11	
Analysis of Kidney Transplant Outcome in Relation to HLA-A, -B Matching. Presentation of a Multicenter Study from Scandinavia	127
L. U. Lamm	

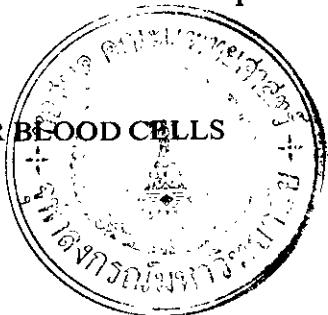
Chapter 12	
Histocompatibility Matching in Renal Transplantation	141
E. Thorsby and T. Moen	
Chapter 13	
HLA and Marrow Transplantation	157
J. A. Hansen and E. D. Thomas	
Index	183

Volume II

Chapter 1	
Complement Fixation Tests in HLA Typing.....	1
J. Colombani	
Chapter 2	
ADCC in Histocompatibility and Clinical Medicine	11
T. Kovithavongs and J. B. Dossetor	
Chapter 3	
HLA Typing of Cells in Long-Term Culture.....	25
M. A. Pellegrino and S. Ferrone	
Chapter 4	
Granulocyte and Monocyte Antigens and Antibodies	35
J. S. Thompson, C. D. Serverson, N. E. Goeken, and J. Rhoades	
Chapter 5	
Data Analysis of Cellular Typing	45
B. A. Bradley	
Chapter 6	
HLA-D Typing by MLC with Homozygous Typing Cells	57
F. Jørgensen	
Chapter 7	
Primed Lymphocyte Typing (PLT): Application in Typing for HLA-D Locus	
Determinants.....	71
T. Moen	
Chapter 8	
Cell Mediated Lympholysis: A One Step Microplate Technique.....	83
P. F. Pfeffer and H. Hirschberg	
Chapter 9	
The Fluorochromasia Cell Mediated Lympholysis Assay (CML).....	99
J. W. Bruning, J. J. van der Poel, and M. J. Kardol	
Chapter 10	
HLA-A,B Restriction of Cytotoxic T Cells.....	105
E. Goulmy	

Chapter 11	
Histocompatibility Typing by Polyclonal and Cloned Human Cytotoxic T	
Lymphocytes	123
T. Kristensen, M. Bernard, and H. E. Johnsen	
Chapter 12	
Involvement of HLA Cell-Membrane Molecules in T Cell Immune Responses:	
Immunobiological and Clinical Significance	151
E. Thorsby	
Chapter 13	
HLA and Disease Associations	167
B. G. Solheim, L. P. Ryder, and A. Svejgaard	
Index	177

Chapter 1

SEPARATION TECHNIQUES FOR MONONUCLEAR BLOOD CELLS**A. Bøyum****TABLE OF CONTENTS**

I.	Introduction	2
II.	Materials and Methods	2
	A. Separation Fluid.....	3
	B. Defibrination	3
	C. Removal of Platelets	3
III.	Results and Discussion	3
	A. Separation of Blood Leukocytes	3
	B. Separation of Mononuclear Cells (Lymphocytes and Monocytes) and Granulocytes from Small Blood Volumes.....	4
	C. Separation of Mononuclear Cells and Granulocytes from Small and Large Blood Volumes Following Dextran® Sedimentation	5
	D. Isolation of Lymphocytes	7
	1. Incubation with Iron Particles	7
	2. Removal of Unwanted Cells by Adherence.....	7
	E. Isolation of Blood Monocytes	8
	1. Techniques Based on Density or Volume Differences	8
	2. Isolation of Monocytes by Adherence and Subsequent Detachment	9
	F. Isolation of Subpopulation of Lymphocytes	9
	References.....	9