

Contents

List of contributors	v
Preface	vii
The sodium pump in human red cells J. D. Cavierres	1
Passive fluxes of sodium and potassium across red cell membranes L. Beaugé and V. L. Lew	39
Passive Ca transport and cytoplasmic Ca buffering in intact red cells H. G. Ferreira and V. L. Lew	53
The effect of Ca on the K permeability of red cells V. L. Lew and H. G. Ferreira	93
Choline transport in red cells K. Martin	101
pH equilibrium across the red cell membrane S. B. Hladky and T. J. Rink	115
Electrical potential and conductance of the red cell membrane U. V. Lassen	137
A comment on the semantics of the "determination" of membrane potential S. B. Hladky	173
Anion movements in red blood cells P. A. George Fortes	175
Organic anion transport in red blood cells R. Motais	197
Water and small nonelectrolyte permeation in red cells R. I. Sha'afi	221
Transport of sugars in human red cells R. J. Naftalin and G. D. Holman	257
Red cell amino acid transport J. D. Young and J. C. Ellory	301
Glutathione movements S. K. Srivastava	327

x CONTENTS

Genetic abnormalities of cation transport in the human erythrocyte	337
J. S. Wiley	
The sodium pump in ruminant red cells	363
J. C. Ellory	
Transport in avian red cells	383
F. W. Kregenow	
Solute and water transport in dog and cat red blood cells	427
J. C. Parker	
Index	467