

LIST OF TABLES

<u>Table No.</u>		<u>Page No.</u>
1.	Age related changes in the composition of different tissues in the rat	- 3
2.	Rate of cerebral energy utilization	- 15
3.	Rate of cerebral glucose utilization by different species	- 20
4.	Composition of stock diet	- 98
5.	Composition of protein diet	- 99
6.	Composition of vitamin mixture	- 103
7.	Composition of salt mixture	- 104
8.	Biochemical parameters and methods used in the investigations	- 110
9.	Assay system and procedure for hexokinase	- 121
10.	Assay system and procedure for Glucose-6-phosphate dehydrogenase	- 112
11.	Assay system and procedure for phosphofructokinase	- 113
12.	Assay system and procedure for fructose 1,6 diphosphate aldolase	- 114
13.	Assay system and procedure for pyruvate kinase	- 116
14.	Assay system and procedure for lactate dehydrogenase.	- 117
15.	Assay system and procedure for pyruvate dehydrogenase	- 118
16.	Assay system and procedure for isocitrate dehydrogenase (NADP)	- 120
17.	Assay system and procedure for succinate dehydrogenase.	- 121
18.	Assay system and procedure for malic enzyme (NADP)	- 123

contd...

List of Tables (Contd...)

<u>Table No.</u>		<u>Page No.</u>
19.	Reagents and standards used for vitamin A estimation	- 125
20.	Effect of preweaning undernutrition on body and brain weight	- 128
21.	Effect of preweaning undernutrition on enzymes of glycolysis and HMP shunt in brain	- 130
22.	Effect of preweaning undernutrition on enzymes of Krebs cycle in brain	- 133
23.	Effect of preweaning undernutrition on body and brain weight	- 135
24.	Effect of preweaning undernutrition on enzymes of glycolysis and HMP shunt	- 137
25.	Effect of preweaning undernutrition on enzymes of Krebs cycle in brain.	- 139
26.	Effect of postweaning protein deficiency on body and brain weight	- 148
27.	Effect of postweaning protein deficiency on food intake and its utilization	- 149
28.	Effect of postweaning protein deficiency on enzymes of glycolysis and HMP shunt in brain	- 153
29.	Effect of postweaning protein deficiency on enzymes of Krebs cycle in brain	- 154
30.	Effect of postweaning calorie restriction on body and brain growth	- 160
31.	Effect of postweaning calorie restriction on food intake and its utilization	- 162
32.	Effect of postweaning calorie restriction on enzymes of glycolysis in brain	- 164
33.	Effect of postweaning calorie restriction on enzymes Krebs cycle in brain	- 165
34.	Effect of different degrees of postweaning protein deficiency on may body and brain weight	- 174

contd...

List of Tables (Contd.....)

<u>Table No.</u>		<u>Page No.</u>
35.	Effect of different degrees of postweaning protein deficiency on food intake and its utilization	- 176
36.	Effect of different degrees of postweaning protein deficiency on enzymes of glycolysis in brain.	- 177
37.	Effect of different degrees of postweaning protein deficiency on enzymes of Krebs cycle in brain	- 178
38.	Effect of chronic protein deficiency in adult age on body and brain weight	- 190
39.	Effect of chronic protein deficiency in adult age on food intake and its utilization	- 191
40.	Effect of chronic protein deficiency in adult age on enzymes of glycolysis in brain	- 194
41.	Effect of chronic protein deficiency in adult age on enzymes of Krebs cycle in brain	- 195
42.	Effect of postweaning vitamin A deficiency on body and brain weight	- 199
43.	Effect of postweaning vitamin A deficiency on food intake and its utilization	- 203
44.	Effect of postweaning vitamin A deficiency on enzymes of glycolysis and EMP shunt in brain	- 204
45.	Effect of postweaning vitamin A deficiency on enzymes of Krebs cycle in brain	- 205
