

APPENDIX - V ; INDIVIDUAL DATA ON POLYPI LEVELS IN KIDNEY UNDER DIFFERENT NUTRITIONAL

CONDITIONS.

Rat number	Tissue weight (g)	PtdIns (4,5)P ₂		PtdIns4P	
		O.D.at 797 mμ	nmol/g wet wt	O.D.at 797 mμ	nmol/g wet wt
1	2	3	4	5	6

Rats from appendix IV were used for this experiment.

CONTROL - 21 DAYS - L⁺

KIDNEYS FROZEN AT "0 MIN"

1	1.005	564; 588	40.0	644; 690	69.5
2					
3	0.968	508; 532	37.5	743; 763	81.5
4					
5	1.080	538; 560	35.5	664; 686	65.5
6					
7	1.140	722; 716	44.6	848; 892	80.0
8					

KIDNEYS FROZEN AT 10 MIN

13					
14					
15	2.031	530; 546	18.5	728; 764	38.5
16					

contd...

APPENDIX - V : contd.

1	2	3	4	5	6
17					
18	1.915	960; 988	35.5	1302; 1440	75.0
19					
20					
21					
22	1.830	572; 608	22.5	1200; 1212	69.0
23					
24					
25					
26	1.842	800; 808	30.5	1222; 1310	72.0
27					
28					
KIDNEYS FROZEN AT "0 MIN"					
37					
38	0.900	438; 448	34.4	380; 384	44.4
39					
40					
41					
42	1.050	444; 462	30.1	486; 508	49.6
43					
44					

contd...

APPENDIX - V : contd.

1	2	3	4	5	6
45					
46	1.110	446; 456	28.4	500; 504	50.2
47					
48					
49					
50	1.050	526; 562	36.2	500; 530	51.4
51					
52					
KIDNEYS FROZEN AT 10 MIN					
53					
54					
55					
56	1.740	400; 418	20.4	848; 820	50.2
57					
58					
59					
60					
61					
62	1.360	382; 390	19.8	512; 490	38.6
63	(one pair				
64	lost)				
65					
66					
67					
68					
69					
70	1.890	415; 435	15.7	810; 792	44.4
71					
72					
73					

APPENDIX - V : contd.

1	2	3	4	5	6
74					
75					
76					
77	1.860	656; 634	24.2	624; 602	34.5
78					
79					
80					
CONTROL - 63 DAYS $\frac{1}{2}$ L ⁺ P ⁺					
KIDNEYS FROZEN AT "0 MIN"					
83	5.380	969; 1000	97.4	748; 805	115.3
84					
85	4.552	773; 856	63.5	565; 734	85.8
86					
KIDNEYS FROZEN AT 10 MIN					
89	4.150	600; 620	52.2	812; 878	108.3
90					
91	4.680	672; 670	67.8	756; 782	116.6
92					

contd....

APPENDIX - V : contd.

1	2	3	4	5	6
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UNDERNOURISHED - 63 DAYS - L⁺P⁻

KIDNEYS FROZEN AT "0 MIN"

97	:	:	:	:	:
98	1.640	430; 444	74.5	495; 598	106.2
100	:	:	:	:	:
101	2.400	821; 833	97.9	779; 749	134.7
102	:	:	:	:	:
103	:	:	:	:	:
104	:	:	:	:	:
105	1.375	723; 690	91.3	618; 569	114.9
106	:	:	:	:	:
107	:	:	:	:	:
108	1.490	682; 700	82.3	581; 590	104.6
109	:	:	:	:	:

KIDNEYS FROZEN AT - 10 MIN

110	:	:	:	:	:
111	2.240	371; 414	49.7	612; 662	121.1
112	:	:	:	:	:
113	:	:	:	:	:
114	:	:	:	:	:
115	2.572	534; 579	61.4	686; 592	105.6
116	:	:	:	:	:
117	:	:	:	:	:

contd...

APPENDIX - V : contd.

1	2	3	4	5	6
118					
119	2.035	401; 440	58.5	489; 480	101.1
120					
121					
122					
123	2.428	400; 422	48.1	600; 555	101.3
124					
125					
REHABILITATED - 63 DAYS - L ⁻ P ⁺					
KIDNEYS FROZEN AT - "0 MIN"					
126	3.815	1555; 1530	135.8	629; 662	85.3
127					
128	3.660	1205; 1335	116.6	635; 630	87.4
129					
130	3.680	1382; 1305	106.7	775; 630	83.7
131					
132	4.028	990; 1040	73.5	580; 640	66.9
133					
KIDNEYS FROZEN AT - 10 MIN					
134	3.590	486; 470	44.6	621; 524	80.4
135					

contd...

APPENDIX - V : contd.

1	2	3	4	5	6
136					
137	3.960	583; 580	49.3	675; 375	85.9
138					
139	3.990	442; 415	31.4	465; 435	49.4
140					
141	3.900	520; 502	38.2	N.D.	N.D.

"O MIN" - Values represent 60 sec post-mortem levels.

All samples where estimated O.D. in the pilot phosphorus determination was greater than 600-700, the gel from the TLC plates for those particular bands was split in two test tubes, the phosphorus content estimated separately and then added for calculation purposes.