

APPENDIX - III : INDIVIDUAL DATA ON THE INCORPORATION OF $^{32}\text{P}_i$ IN POLYPI OF RAT BRAIN.

Rat number	Body weight (g)	Tissue weight (g)	Time period of incorporation (hr)	PtdIns(4,5)P ₂ CPM/g wet wt	PtdIns4P CPM/g wet wt
21 DAYS					
1	46	1,395	0.25	857	643
2	45	1,366	0.50	786	536
3	48	1,410	1	678	821
4	60	1,430	2	1,035	643
5	53	1,402	4	1,893	820
6	49	1,432	6	1,393	714
7	49	1,490	8	1,250	1,357
8	46	1,388	12	2,643	1,214
9	48	1,395	18	1,964	1,214
10	43	1,320	24	1,071	1,214
63 DAYS					
11	180	1,622	0.5	8,040	4,840
12	183	1,600	1	10,436	2,060
13	200	1,730	2	8,661	3,409
14	198	1,655	3	5,210	2,974
15	183	1,715	4	3,086	3,040
16	170	1,565	5	1,540	1,540
17	170	1,570	6	1,656	3,994

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APPENDIX - III : contd.

Rat number	Body weight (g)	Tissue weight (g)	Time period of incorporation (hr)	PtdIns(4,5)P ₂ CPM/g wet wt	PtdIns4P CPM/g wet wt
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18	184	1.695	8	2,023	4,700
19	170	1.595	12	3,773	3,035
20	180	1.715	24	9,555	2,904

Rat number	Body weight (g)	Tissue weight (g)	PtdIns(4,5)P ₂		PtdIns4P	
			CPM/g wet wt	CPM/μmole of PolyPI-P	CPM/g wet wt	CPM/μmole of PolyPI-P
1	2	3	4	5	6	7

CONTROL - 21 DAYS - L⁺

HEADS FROZEN AT "0 MIN"

21	40	1.380	4,583	17,037	2,391	11,607
22	43	1.280	3,635	13,513	1,933	9,383
23	40	1,250	3,423	12,725	2,050	9,951
24	42	1.360	4,408	16,387	2,453	11,908

HEADS FROZEN AT 1 MIN

25	45 45	1.350 1.350	3,446 3,446	17,316 17,316	1,980	11,579
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APPENDIX - III : contd.

1	2	3	4	5	6	7
26	40	1.340	2,832	14,231	1,855	10,848
27	38	1.450	4,134	20,774	2,200	12,865
28	38	1.320	2,125	10,678	1,641	9,596
UNDERNOURISHED - 21 DAYS - L ⁻						
HEADS FROZEN AT "0 MIN						
29	14	0.965	4,576	28,962	497	3,681
30	11	0.904	6,001	37,981	498	3,689
31	15	1.005	5,456	34,532	722	5,348
HEADS FROZEN AT 1 MIN						
32	11.5	0.938	2,321	28,305	525	4,861
33	14.0	1.157	2,711	33,061	584	5,407
34	15.0	1.095	2,844	34,683	570	5,278
PolyPI levels of rats numbered (13-28) from appendix - II were taken for calculation of specific radioactivity in 63 days old control (L ⁺ P ⁺) and undernourished (L ⁺ P ⁻) samples as the same were used for counting.						
CONTROL - 63 DAYS - L ⁺ P ⁺						
HEADS FROZEN AT "0 MIN						
13	144	1.700	6,529	17,551	3,021	12,036
14	120	1.570	7,505	18,531	3,401	11,413

APPENDIX - III : contd.

1	2	3	4	5	6	7
15	129	1.570	7,490	15,572	3,263	13,000
16	121	1.580	7,256	16,604	2,887	13,682
<u>HEADS FROZEN AT 1 MIN</u>						
17	172	1.580	4,860	15,380	2,202	13,345
18	155	1.620	4,185	12,720	2,074	10,068
19	157	1.600	4,672	16,626	2,265	11,921
20	132	1.570	3,989	14,297	1,926	8,302
UNDERNOURISHED - 63 DAYS - L ⁺ P ⁻						
<u>HEADS FROZEN AT "0 MIN</u>						
21	46	1.252	4,859	14,125	2,252	8,937
22	51	1.370	5,456	14,511	2,715	11,313
23	40	1.290	4,790	13,232	2,005	7,832
24	43	1.310	4,763	11,129	2,335	8,912
<u>HEADS FROZEN AT 1 MIN</u>						
25	48	1.440	3,850	9,722	1,891	8,920
26	52	1.480	3,591	15,216	1,743	7,995
27	40	1.380	3,130	9,485	1,739	6,688
28	52	1.380	4,076	12,580	2,326	12,922