APPENDIX

Appendix 1 : Brain AChE activity in fish exposed to various concentrations of chlorpyrifos under semistatic conditions.

Period of exposure (days)	Insecticide concentration (ppm)	AChE activity (mM/hr/mg protein)	Mean Activity (S.D)
3	control	5.8042 6.1428 5.8042	5.9171 (0.1954)
	0.001	6.4728 6.4382 6.6458	6.5189 (0.1112)
	0.01	7.0655 6.7095 7.0655	6.9468 (0.2055)
	0.1	4.4855 4.5080 4.4404	4.4780 (0.0344)
	1.0	2.3156 2.3633 2.3156	2.3315 (0.0275)
7	control	6.0773 6.1345 6.3631	6.1916 (0.1512)
	0.001	5.9034 6.3998 6.3289	6.2107 (0.2684)
	0.01	5.7133 5.4838 5.8154	5.6708 (0.1698)
	0.1	4.6034 4.4423 4.3502	4.4653 (0.1281)
	1.0	1.6635 1.5724 1.7091	1.6484 (0.0696)
14	control	7.4751 7.5018 7.2082	7.3950 (0.1623)
	0.001	5.1576 5.4823 5.3200	5.3200 (0.1623)
	0.01	6.0617 5.8885 6.2348	6.0617 (0.1731)
	0.1	3.6750 3.8549 3.9063	3.8121 (0.1214)
	1.0	0.9939 1.0123 1.0859	1.0347 (0.0468)

Appendix 1 (cont'd)

21	control	7.5139 7.7422 7.3063	7.5208 (0.2180)
	0.001	5.5569 5.2790 5.2526	5.3628 (0.1685)
	0.01	4.7984 4.6809 4.8839	4.7877 (0.1019)
	0.1	3.3864 3.2524 3.0611	3.2333 (0.1634)
	1.0	1.1915 1.1348 1.2199	1.1821 (0.0433)
28	control	6.8349 7.0729 7.0729	6.9936 (0.1374)
	0.001	4.9607 5.0747 4.8808	4.9721 (0.0974)
	0.01	4.5908 4.8192 4.6136	4.6745 (0.1257)
	0.1	2.2607 2.2861 2.2099	2.2522 (0.0388)

Appendix 2 : Brain AChE activity in fish exposed to various concentrations of diazinon under semistatic conditions.

Period of exposure (days)	Insecticide concentration (ppm)	AChE activity (mM/hr/mg protein)	Mean Activity (S.D)
3	control	2.4386 2.3986 2.4786	2.4386 (0.0399)
	0.001	2.5007 2.5064 2.5064	2.5045 (0.0032)
	0.01	2.9520 3.2305 2.9826	3.0550 (0.1527)
	0.1	3.0707 2.9053 2.9920	2.9893 (0.0827)
	1.0	1.5564 1.5564 1.5132	1.5420 (0.0249)
7	control	2.2257 2.5253 2.4254	2.3921 (0.1525)
	0.001	2.0734 2.2086 2.2717	2.1846 (0.1013)
	0.01	2.0979 2.0064 2.0448	2.0497 (0.0459)
	0.1	2.4835 2.2614 2.1621	2.3023 (0.1645)
	1.0	1.0096 0.9938 0.8518	0.9517 (0.0868)
14	control	1.8108 1.7000 1.8293	1.7800 (0.0699)
	0.001	2.4652 2.6179 2.4270	2.5034 (0.1010)
	0.01	2.6700 3.1451 2.9415	2.9189 (0.2383)
	0.1	2.0254 2.0254 2.2942	2.1150 (0.1551)
	1.0	0.9211 0.9752 1.0294	0.9752 (0.0541)

Appendix 2 (cont'd)

21	control	2.2990 1.9895 2.0691	2.1192 (0.1607)
	0.001	2.3163 2.4879 2.4708	2.4250 (0.0945)
	0.01	3.5693 3.8365 3.6641	3.6900 (0.1354)
	0.1	2.3423 2.5233 2.4275	2.4311 (0.0905)
	1.0	0.7766 0.8270 0.7479	0.7838 (0.0400)
28	control	2.3129 2.2708 2.1762	2.2533 (0.0700)
	0.001	2.9962 3.3291 3.6499	3.3251 (0.3268)
	0.01	3.1348 3.1348 3.4956	3.2551 (0.2083)
	0.1	3.2412 2.5699 2.3014	2.7042 (0.4840)
	1.0	0.9094 1.0297 0.8801	0.9397 (0.0792)

Appendix 3 : EROD activity in fish exposed to various concentrations of chlorpyrifos under semistatic conditions.

Period of exposure (days)	Insecticide concentration (ppm)	EROD activity (moles/min/mg protein)	Mean Activity (S.D)
3	control	3.107 x 10-6 3.019 x 10-6 3.099 x 10-6	3.075 x 10-6 (0.048 x 10-6)
	0.001	7.748 x 10-6 7.98 x 10-6 7.929 x 10-6	7.886 x 10-6 (0.121 x 10-6)
	0.01	4.369 x 10-6 3.943 x 10-6 4.22 x 10-6	4.177 x 10-6 (0.216 x 10-6)
	0.1	10.216 x 10-6 10.041 x 10-6 10.078 x 10-6	10.112 x 10-6 (0.092 x 10-6)
	1.0	3.232 x 10-6 3.147 x 10-6 3.351 x 10-6	3.244 x 10-6 (0.102 x 10-6)
7	control	5.427 x 10-6 5.37 x 10-6 5.161 x 10-6	5.319 x 10-6 (0.14 x 10-6)
	0.001	5.85 x 10-6 5.894 x 10-6 6.701 x 10-6	6.148 x 10-6 (0.479 x 10-6)
	0.01	27.055 x 10-6 27.017 x 10-6 26.961 x 10-6	27.011 x 10-6 (0.047 x 10-6)
	0.1	9.712 x 10-6 9.468 x 10-6 10.848 x 10-6	10.009 x 10-6 (0.736 x 10-6)
	1.0	7.083 x 10-6 7.328 x 10-6 7.379 x 10-6	7.263 x 10-6 (0.158 x 10-6)
14	control	4.165 x 10-6 4.208 x 10-6 4.364 x 10-6	4.246 x 10-6 (0.104 x 10-6)
	0.001	13.295 x 10-6 11.874 x 10-6 11.757 x 10-6	12.309 x 10-6 (0.855 x 10-6)
	0.01	8.136 x 10-6 7.268 x 10-6 8.56 x 10-6	7.988 x 10-6 (0.658 x 10-6)
	0.1	12.964 x 10-6 14.875 x 10-6 14.892 x 10-6	14.243 x 10-6 (1.108 x 10-6)
	1.0	0.953 x 10-6 0.828 x 10-6 0.953 x 10-6	0.912 x 10-6 (0.072 x 10-6)

Appendix 3 (cont'd)

21	control	1.419 x 10-6 1.475 x 10-6 1.464 x 10-6	1.453 x 10-6 (0.03 x 10-6)
	0.001	9.518 x 10-6 9.707 x 10-6 8.713 x 10-6	9.313 x 10-6 (0.527 x 10-6)
	0.01	8.502 x 10-6 7.936 x 10-6 8.36 x 10-6	8.266 x 10-6 (0.294 x 10-6)
	0.1	4.671 x 10-6 4.748 x 10-6 4.704 x 10-6	4.707 x 10-6 (0.038 x 10-6)
	1.0	0.597 x 10-6 0.597 x 10-6 0.686 x 10-6	0.627 x 10-6 (0.05 x 10-6)
28	control	8.728 x 10-6 8.34 x 10-6 8.364 x 10-6	8.478 x 10-6 (0.217 x 10-6)
	0.001	13.114 x 10-6 14.551 x 10-6 12.8 x 10-6	13.488 x 10-6 (0.933 x 10-6)
	0.01	22.841 x 10-6 22.385 x 10-6 21.747 x 10-6	22.324 x 10-6 (0.549 x 10-6)
	0.1	7.898 x 10-6 8.667 x 10-6 7.946 x 10-6	8.17 x 10-6 (0.43 x 10-6)

Appendix 4 : EROD activity in fish exposed to various concentrations of diazinon under semistatic conditions.

Period of exposure (days)	Insecticide concentration (ppm)	EROD activity (moles/min/mg protein)	Mean Activity (S.D)
3	control	3.0123 x 10-6 3.0492 x 10-6 2.8463 x 10-6	2.9690 x 10-6 (0.1080 x 10-6)
	0.001	4.7728 x 10-6 4.7570 x 10-6 4.9665 x 10-6	4.8320 x 10-6 (0.1160 x 10-6)
	0.01	4.2492 x 10-6 4.0733 x 10-6 3.8353 x 10-6	4.0520 x 10-6 (0.2070 x 10-6)
	0.1	10.3240 x 10-6 10.3090 x 10-6 10.1140 x 10-6	10.2490 x 10-6 (0.1170 x 10-6)
	1.0	2.5670 x 10-6 2.5399 x 10-6 2.5994 x 10-6	2.5690 x 10-6 (0.030 x 10-6)
7	control	3.5918 x 10-6 3.6761 x 10-6 3.7616 x 10-6	3.6760 x 10-6 (0.0849 x 10-6)
	0.001	3.3121 x 10-6 3.9229 x 10-6 3.7198 x 10-6	3.6516 x 10-6 (0.3110 x 10-6)
	0.01	6.6847 x 10-6 6.5729 x 10-6 6.7496 x 10-6	6.6690 x 10-6 (0.0890 x 10-6)
	0.1	3.6931 x 10-6 3.7566 x 10-6 3.5261 x 10-6	3.6586 x 10-6 (0.1190 x 10-6)
	1.0	1.6579 x 10-6 1.6053 x 10-6 1.5703 x 10-6	1.6110 x 10-6 (0.0440 x 10-6)
14	control	4.3439 x 10-6 4.4915 x 10-6 4.4915 x 10-6	4.4420 x 10-6 (0.0850 x 10-6)
	0.001	3.8788 x 10-6 3.7376 x 10-6 3.8082 x 10-6	3.8080 x 10-6 (0.0706 x 10-6)
	0.01	5.6519 x 10-6 5.8204 x 10-6 6.0182 x 10-6	5.8300 x 10-6 (0.1830 x 10-6)
	0.1	2.6427 x 10-6 2.5766 x 10-6 2.5863 x 10-6	2.6018 x 10-6 (0.0356 x 10-6)
	1.0	1.8227 x 10-6 1.8314 x 10-6 1.8574 x 10-6	1.8370 x 10-6 (0.0180 x 10-6)

Appendix 4 (cont'd)

21	control	0.9370 x 10-6 0.9755 x 10-6 0.9043 x 10-6	0.9390 x 10-6 (0.0356 x 10-6)
	0.001	0.9137 x 10-6 0.9721 x 10-6 0.8678 x 10-6	0.9179 x 10-6 (0.0520 x 10-6)
	0.01	12.0448 x 10-6 13.5983 x 10-6 12.6881 x 10-6	12.7770 x 10-6 (0.7800 x 10-6)
	0.1	5.3177 x 10-6 5.0877 x 10-6 5.5601 x 10-6	5.3210 x 10-6 (0.2360 x 10-6)
	1.0	0.2732 x 10-6 0.2975 x 10-6 0.2513 x 10-6	0.2740 x 10-6 (0.0230 x 10-6)
28	control	0.0729 x 10-6 0.0729 x 10-6 0.0731 x 10-6	0.0730 x 10-6 (0.0001 x 10-6)
	0.001	1.5790 x 10-6 1.6700 x 10-6 1.4939 x 10-6	1.5810 x 10-6 (0.0880 x 10-6)
	0.01	4.3449 x 10-6 4.2154 x 10-6 4.5542 x 10-6	4.3710 x 10-6 (0.1700 x 10-6)
	0.1	3.0807 x 10-6 3.4414 x 10-6 3.2581 x 10-6	3.2600 x 10-6 (0.1800 x 10-6)
	1.0	0.2167 x 10-6 0.2351 x 10-6 0.2020 x 10-6	0.2180 x 10-6 (0.0165 x 10-6)

Appendix 5 : Brain AChE activity recovery subsequent to exposure to 1.0 mg/l chlorpyrifos

Post exposure (days)	AChE Activity (mM/hr/mg protein)			
	Test species	Mean Activity (S.D)	Control	Mean Activity (S.D)
0	1.8777 1.9521 1.8777	1.9025 (0.0429)	5.3179 5.8449 5.2700	5.4776 (0.3189)
1	3.0892 3.1995 3.0616	3.1167 (0.0729)	7.2836 7.0790 7.0381	7.1336 (0.1315)
8	2.7293 2.5019 2.6156	2.6156 (0.1137)	3.5755 3.7531 3.8198	3.7161 (0.1262)
15	2.1471 2.1471 2.2801	2.1914 (0.0767)	5.1837 5.1519 4.8657	5.0671 (0.1751)
22	5.1769 4.9181 4.8811	4.9921 (0.1611)	3.6627 3.5245 3.5245	3.5706 (0.0798)

Appendix 6 : Brain AChE activity recovery subsequent to exposure to 1.0 mg/l diazinon

Post exposure (days)	AChE Activity (mM/hr/mg protein)			
	Test species	Mean Activity (S.D)	Control	Mean Activity (S.D)
0	2.3792 2.4000 2.4209	2.4000 (0.0208)	5.2619 5.4793 5.1749	5.3054 (0.1567)
1	2.7763 2.9429 2.9614	2.8935 (0.1019)	2.7597 2.5924 2.6761	2.6761 (0.0836)
8	2.2812 2.2099 2.1743	2.2218 (0.0544)	3.1935 3.1514 3.0464	3.1304 (0.0757)
15	2.5657 2.7083 2.7439	2.6726 (0.0942)	3.3457 3.3935 3.3935	3.3776 (0.0275)
22	2.6103 2.6569 2.6802	2.6492 (0.0356)	4.7467 4.8705 4.8705	4.8292 (0.0714)

Appendix 7 : Liver EROD activity recovery subsequent to exposure to 1.0 mg/l chlorpyrifos

Post exposure (days)	EROD Activity (moles/min/mg protein)			
	Test species	Mean Activity (S.D)	Control	Mean Activity (S.D)
0	7.22 x 10-6 6.815 x 10-6 7.151 x 10-6	7.062 x 10-6 (0.216 x 10-6)	0.69 x 10-6 0.521 x 10-6 0.6059 x 10-6	0.605 x 10-6 (0.119 x 10-6)
1	8.657 x 10-6 8.511 x 10-6 8.496 x 10-6	8.555 x 10-6 (0.088 x 10-6)	2.882 x 10-6 2.809 x 10-6 2.702 x 10-6	2.798 x 10-6 (0.09 x 10-6)
8	6.503 x 10-6 6.5 x 10-6 6.494 x 10-6	6.509 x 10-6 (0.018 x 10-6)	6.274 x 10-6 6.099 x 10-6 5.629 x 10-6	6.001 x 10-6 (0.333 x 10-6)
15	4.039 x 10-6 4.169 x 10-6 4.194 x 10-6	4.134 x 10-6 (0.083 x 10-6)	6.471 x 10-6 6.128 x 10-6 6.284 x 10-6	6.294 x 10-6 (0.171 x 10-6)
22	7.953 x 10-6 8.077 x 10-6 7.82 x 10-6	7.95 x 10-6 (0.128 x 10-6)	9.648 x 10-6 9.907 x 10-6 9.776 x 10-6	9.777 x 10-6 (0.129 x 10-6)

Appendix 8 : Liver EROD activity recovery subsequent to exposure to 1.0 mg/l diazinon.

Post exposure (days)	EROD Activity (mM/hr/mg protein)			
	Test species	Mean Activity (S.D)	Control	Mean Activity (S.D)
0	1.001 x 10-6 1.065 x 10-6 0.937 x 10-6	1.001 x 10-6 (0.064 x 10-6)	3.849 x 10-6 4.149 x 10-6 4.048 x 10-6	4.015 x 10-6 (0.152 x 10-6)
1	8.771 x 10-6 8.659 x 10-6 8.365 x 10-6	8.598 x 10-6 (0.209 x 10-6)	2.136 x 10-6 2.184 x 10-6 2.03 x 10-6	2.116 x 10-6 (0.079 x 10-6)
8	0.071 x 10-6 0.054 x 10-6 0.061 x 10-6	0. 062 x 10-6 (0.008 x 10-6)	2.044 x 10-6 2.083 x 10-6 2.192 x 10-6	2.106 x 10-6 (0.076 x 10-6)
15	2.123 x 10-6 2.27 x 10-6 2.013 x 10-6	2.135 x 10-6 (0.128 x 10-6)	0.758 x 10-6 0.085 x 10-6 0.787 x 10-6	0.798 x 10-6 (0.047 x 10-6)
22	1.463 x 10-6 1.397 x 10-6 1.515 x 10-6	1.458 x 10-6 (0.059 x 10-6)	1.276 x 10-6 1.227 x 10-6 1.389 x 10-6	1.297 x 10-6 (0.082 x 10-6)

Appendix 9 : Brain AChE activity in *T. trichopterus* exposed to 3 pulse exposures of 24hr duration to 1 mg/l chlorpyrifos with intermittent 21d recovery periods.

Exposure	Post exposure (days)	AChE Activity (mM/hr/mg protein)			
		Test Species	Mean Activity (S.D)	Control Species	Mean Activity (S.D)
1	0	1.7838 1.9441 1.8439	1.8573 (0.0810)	3.5029 3.5029 3.3771	3.4610 (0.0726)
	1	2.4810 2.5592 2.5201	2.5201 (0.0390)	3.0565 2.9870 3.0218	3.0218 (0.0347)
	21	2.9806 2.8621 2.9411	2.9279 (0.0603)	3.3967 3.4762 3.2775	3.3835 (0.0999)
2	0	2.4629 2.4629 2.4629	2.4629 (0)	5.0657 5.0964 4.9736	5.0452 (0.0639)
	1	3.2436 3.1560 3.2436	3.2144 (0.0506)	5.6314 5.7113 5.6714	5.6714 (0.0399)
	21	5.4993 5.4519 5.6416	5.5309 (0.0986)	5.3387 5.3009 5.3766	5.3387 (0.0378)
3	0	1.8587 1.8237 1.8237	1.8353 (0.0202)	4.9880 5.1404 5.1023	5.0769 (0.0792)

Appendix 10 : Brain AChE activity in *T. trichopterus* exposed to 3 pulse exposures of 24 hr duration to 1 mg/l diazinon with intermittent 21d recovery periods.

Exposure	Post exposure (days)	AChE Activity (mM/hr/mg protein)			
		Test Species	Mean Activity (S.D)	Control Species	Mean Activity (S.D)
1	0	2.3113 2.4944 2.5173	2.4410 (0.1128)	3.8144 3.6942 3.8745	3.7944 (0.0917)
	1	2.7362 2.6364 2.8161	2.7296 (0.0900)	3.1115 2.9997 3.1488	3.0867 (0.0775)
	21	3.3598 3.1988 3.3396	3.2994 (0.0876)	2.7936 2.9498 2.8977	2.8804 (0.0795)
2	0	4.3896 4.3490 4.3083	4.3490 (0.0406)	5.8650 5.9448 5.8650	5.8916 (0.0460)
	1	4.8179 4.7050 4.7803	4.7677 (0.0574)	5.9958 6.1394 5.9958	6.0436 (0.0829)
	21	5.6153 5.6153 5.6153	5.6153 (0.0000)	5.6080 5.8069 5.8069	5.7406 (0.1148)
3	0	3.0913 3.0913 2.9883	3.0570 (0.0594)	5.5796 5.5057 5.5426	5.5426 (0.0369)
	1	3.0317 2.9519 3.0317	3.0051 (0.0460)	5.2039 5.2686 5.2039	5.2255 (0.0373)

Appendix 11 : Liver EROD activity in *T. trichopterus* exposed to 3 pulse exposures of 24 hr duration to 1 mg/l of chlorpyrifos with intermittent 21d recovery periods

Exposure	Post exposure (days)	EROD Activity (moles/min/mg protein)			
		Test Species	Mean Activity (S.D)	Control Species	Mean Activity (S.D)
1	0	26.0 x 10-6 25.7 x 10-6 26.335 x 10-6	26.04 x 10-6 (0.296 x 10-6)	4.36 x 10-6 4.672 x 10-6 4.343 x 10-6	4.458 x 10-6 (0.185 x 10-6)
	1	7.532 x 10-6 7.977 x 10-6 7.562 x 10-6	7.69 x 10-6 (0.249 x 10-6)	9.695 x 10-6 9.922 x 10-6 9.63 x 10-6	9.749 x 10-6 (0.153 x 10-6)
	21	3.447 x 10-6 3.429 x 10-6 3.365 x 10-6	3.413 x 10-6 (0.043 x 10-6)	6.093 x 10-6 6.394 x 10-6 6.245 x 10-6	6.244 x 10-6 (1.50 x 10-6)
2	0	4.756 x 10-6 5.091 x 10-6 4.522 x 10-6	4.79 x 10-6 (0.286 x 10-6)	5.655 x 10-6 5.081 x 10-6 5.368 x 10-6	5.368 x 10-6 (0.287 x 10-6)
	1	3.903 x 10-6 3.829 x 10-6 3.866 x 10-6	3.866 x 10-6 (0.37 x 10-6)	3.937 x 10-6 4.041 x 10-6 3.989 x 10-6	3.989 x 10-6 (0.052 x 10-6)
	21	3.596 x 10-6 3.536 x 10-6 3.656 x 10-6	3.596 x 10-6 (0.06 x 10-6)	3.849 x 10-6 3.849 x 10-6 3.849 x 10-6	3.849 x 10-6 (0)
3	0	4.128 x 10-6 4.176 x 10-6 4.128 x 10-6	4.144 x 10-6 (0.028 x 10-6)	1.268 x 10-6 1.164 x 10-6 1.216 x 10-6	1.216 x 10-6 (0.052 x 10-6)

Appendix 12 : Liver EROD activity in *T. trichopterus* exposed to 3 pulse exposures of 24 hr duration to 1 mg/l of diazinon with intermittent 21d recovery periods

Exposure	Post exposure (days)	EROD Activity (moles/min/mg protein)			
		Test Species	Mean Activity (S.D)	Control Species	Mean Activity (S.D)
1	0	2.092 x 10-6 2.447 x 10-6 2.058 x 10-6	2.199 x 10-6 (0.215 x 10-6)	0.733 x 10-6 0.801 x 10-6 0.776 x 10-6	0.77 x 10-6 (0.034 x 10-6)
	1	6.604 x 10-6 6.604 x 10-6 6.343 x 10-6	6.517 x 10-6 (0.15 x 10-6)	4.652 x 10-6 4.652 x 10-6 4.604 x 10-6	4.636 x 10-6 (0.027 x 10-6)
	21	2.787 x 10-6 2.871 x 10-6 2.713 x 10-6	2.79 x 10-6 (0.079 x 10-6)	3.407 x 10-6 3.504 x 10-6 3.263 x 10-6	3.391 x 10-6 (0.121 x 10-6)
2	0	2.628 x 10-6 2.628 x 10-6 2.628 x 10-6	2.628 x 10-6 (0)	4.894 x 10-6 4.384 x 10-6 4.303 x 10-6	4.527 x 10-6 (0.32 x 10-6)
	1	3.849 x 10-6 4.528 x 10-6 4.11 x 10-6	4.163 x 10-6 (0.342 x 10-6)	3.44 x 10-6 3.105 x 10-6 3.055 x 10-6	3.2 x 10-6 (0.209 x 10-6)
	21	6.279 x 10-6 6.784 x 10-6 6.474 x 10-6	6.513 x 10-6 (0.254 x 10-6)	11.634 x 10-6 11.672 x 10-6 12.304 x 10-6	11.87 x 10-6 (0.376 x 10-6)
3	0	2.046 x 10-6 2.081 x 10-6 2.029 x 10-6	2.052 x 10-6 (0.026 x 10-6)	8.593 x 10-6 7.912 x 10-6 7.759 x 10-6	8.088 x 10-6 (0.443 x 10-6)
	1	6.429 x 10-6 5.884 x 10-6 6.83 x 10-6	6.381 x 10-6 (0.474 x 10-6)	3.046 x 10-6 3.435 x 10-6 3.046 x 10-6	3.176 x 10-6 (0.224 x 10-6)

Appendix 13: *In vitro* inhibition of brain AChE activity in *Trichogaster trichopterus* by chlorpyrifos

Insecticide Concentration (M)	$O.D_{412nm}$				$\frac{(ODcontrol-ODtest)}{ODcontrol} \times 100$
	control	mean control (S.D)	test	mean test (S.D)	% inhibition
10-3	1.396 1.390 1.391	1.392 (0.003)	0.992 0.992 0.986	0.990 (0.003)	28.87
10-4			1.009 1.012 1.014	1.011 (0.002)	27.29
10-5			1.187 1.190 1.186	1.187 (0.002)	14.65
10-6			1.293 1.296 1.296	1.295 (0.001)	6.97
10-7			1.366 1.361 1.363	1.363 (0.002)	2.08

Appendix 14 : *In vitro* inhibition of brain AChE activity in *Trichogaster trichopterus* by diazinon.

Insecticide Concentration (M)	$O.D_{412nm}$				$\frac{(ODcontrol-ODtest)}{ODcontrol} \times 100$
	control	mean control (S.D)	test	mean test (S.D)	% inhibition
10-3	1.670 1.649 1.672	1.663 (0.012)	0.692 0.712 0.697	0.700 (0.010)	57.90
10-4			0.970 0.984 0.967	0.973 (0.009)	41.45
10-5			1.127 1.146 1.137	1.136 (0.009)	31.65
10-6			1.132 1.153 1.116	1.133 (0.018)	31.83
10-7			1.225 1.239 1.230	1.231 (0.007)	25.95