

Cumulative Hazard Assessment: Issues for the FIFRA Scientific Advisory Panel

Appendix 2. Time course and dose-response plots for seven *N*-methyl carbamates

February 15-18, 2005
National Airport Holiday Inn
Arlington, VA



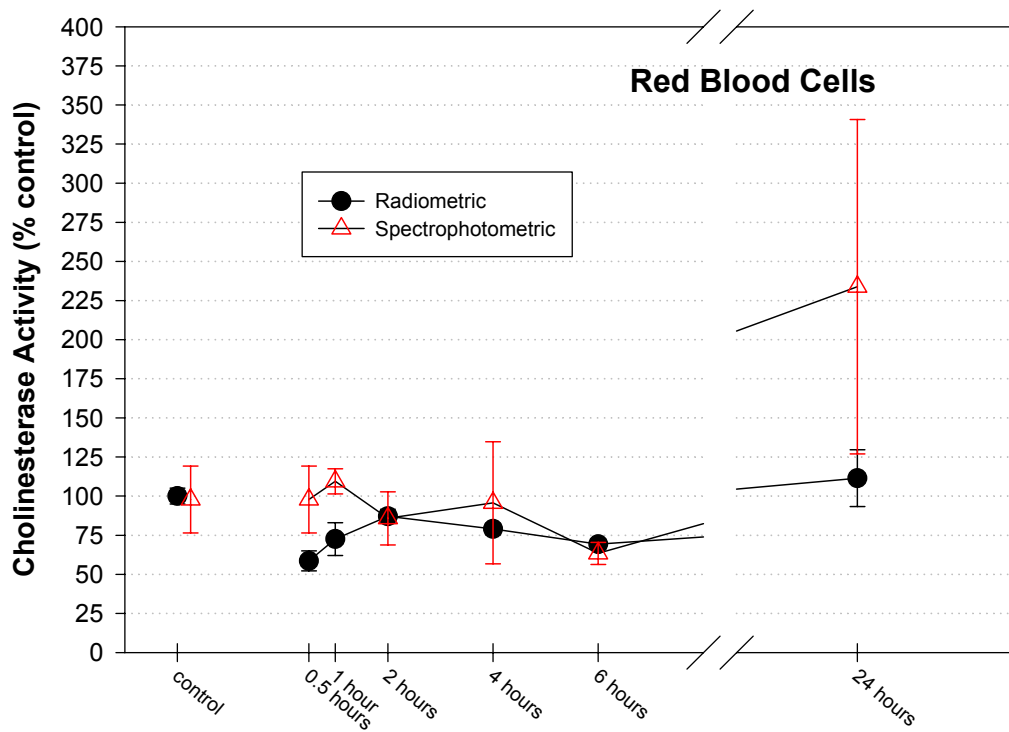
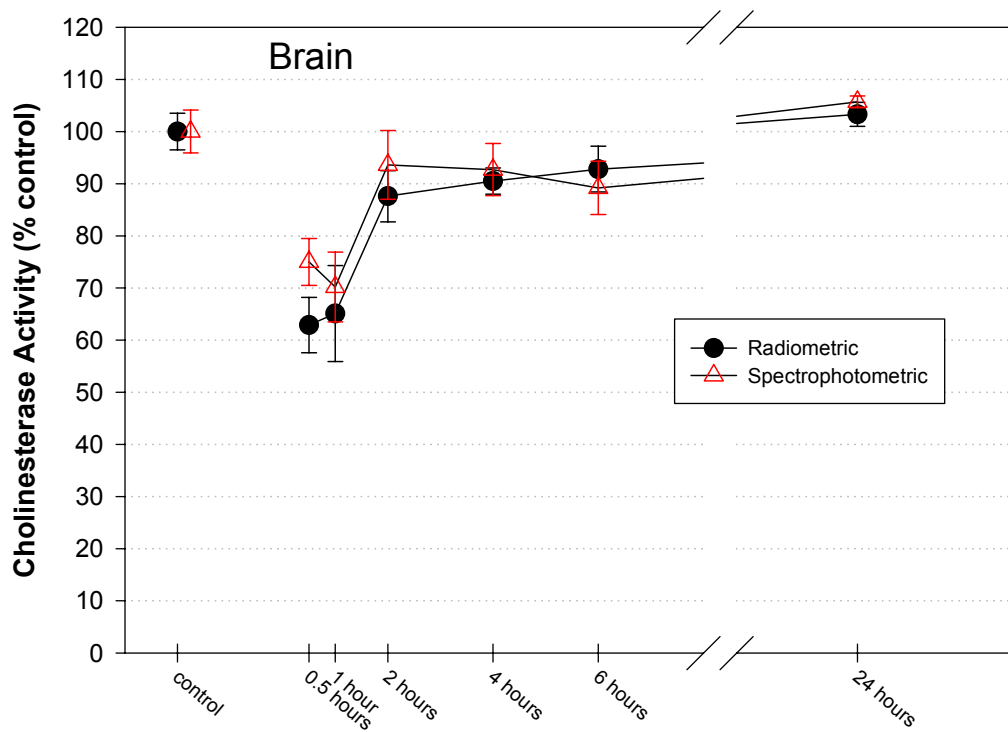
Prepared by:
Office of Pesticide Programs
US Environmental Protection Agency

Note to Reader:

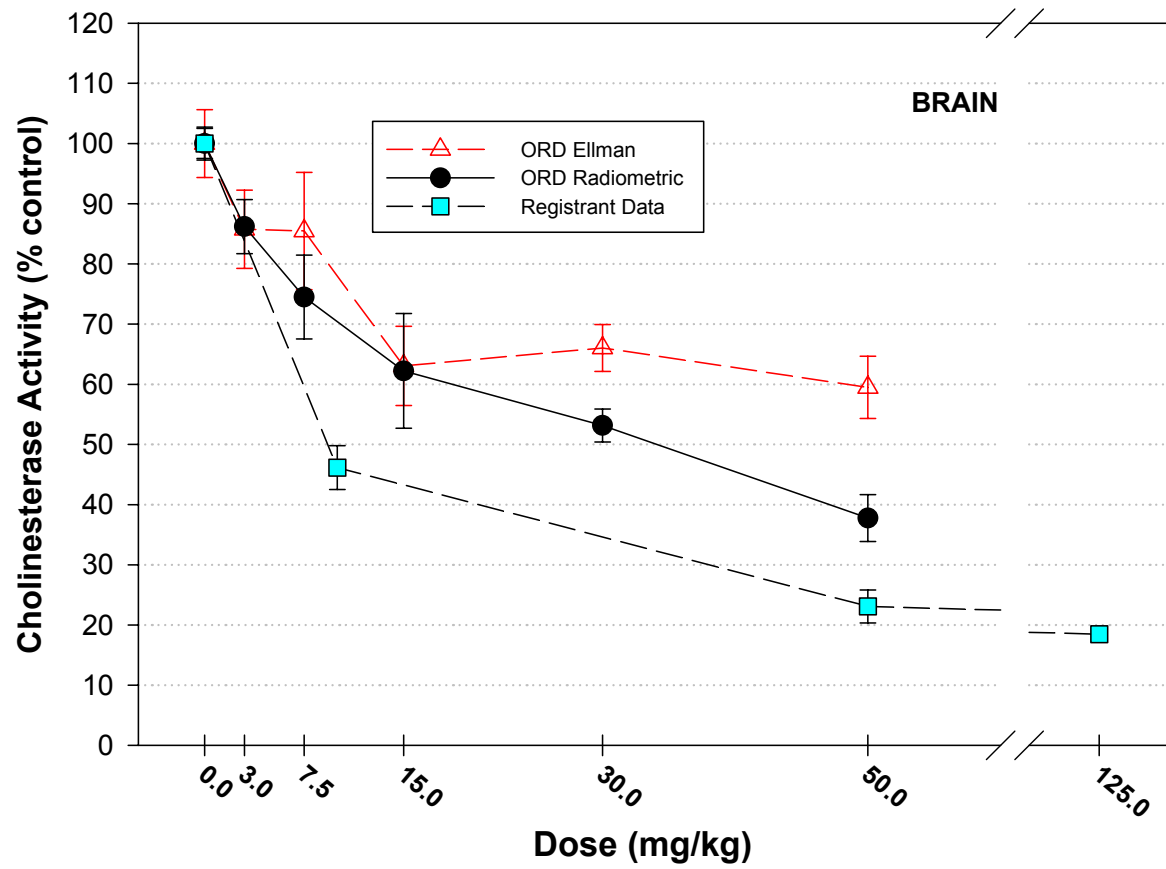
The contents on this file are:

- Results of time-course studies conducted by EPA for 7 *N*-methyl carbamates
- Results of dose-response studies conducted by EPA for 7 *N*-methyl carbamates
- Results of studies submitted to EPA for pesticide registration.
 - Unless otherwise noted: All extracted were selected to closely match the conditions of EPA's studies. For example, data is for male rats exposed via gavage; red blood cell (RBC) and/or brain cholinesterase measurements at or near 40 minutes post-dosing. (See Table 1 in issue paper)
 - Two chemicals (F & H) do not have any brain ChE measured in rats following gavage administration in registration studies
 - There are several *N*-methyl carbamates included in the cumulative assessment which were not tested by EPA (See Background Document). Dose-response curves for these chemicals will be provided in the preliminary risk assessment.

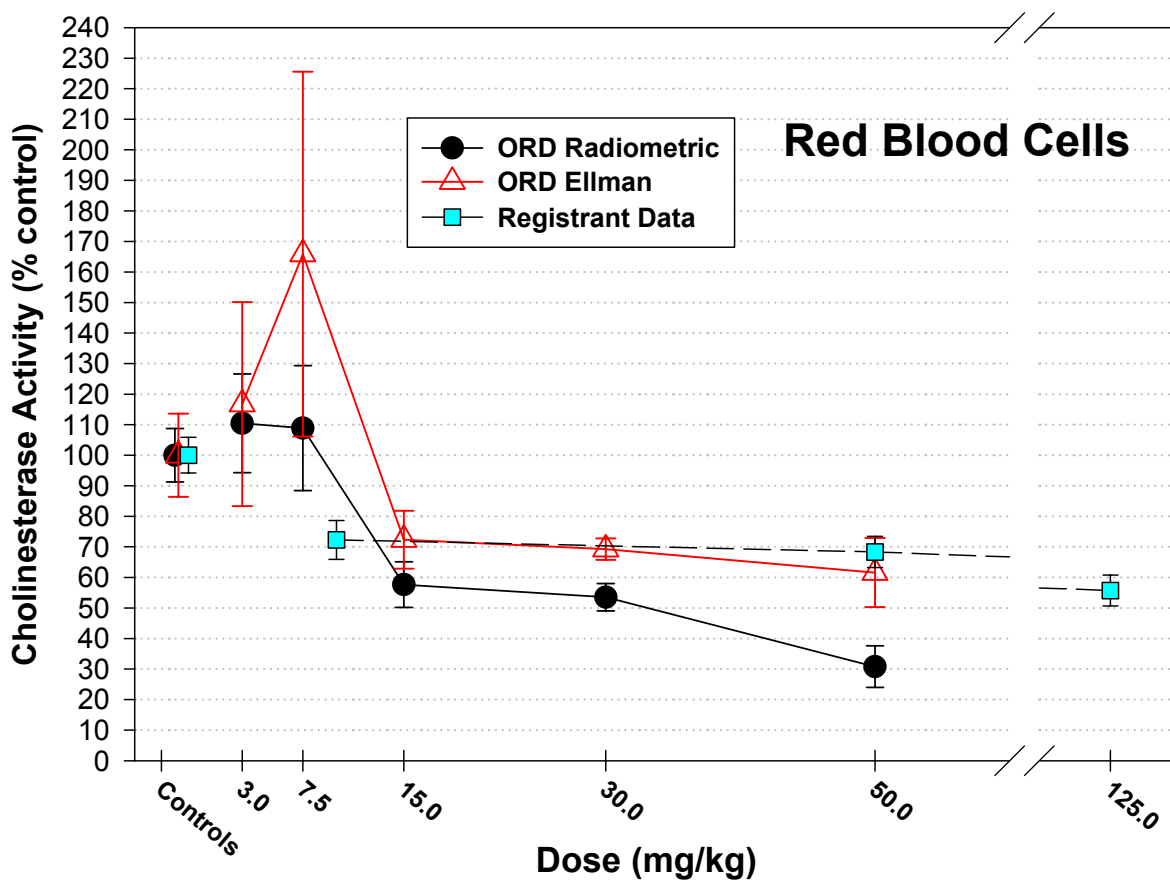
Time Course of Brain and RBC Cholinesterase in
Compound A Treated Rats (30 mg/kg in corn oil) orally



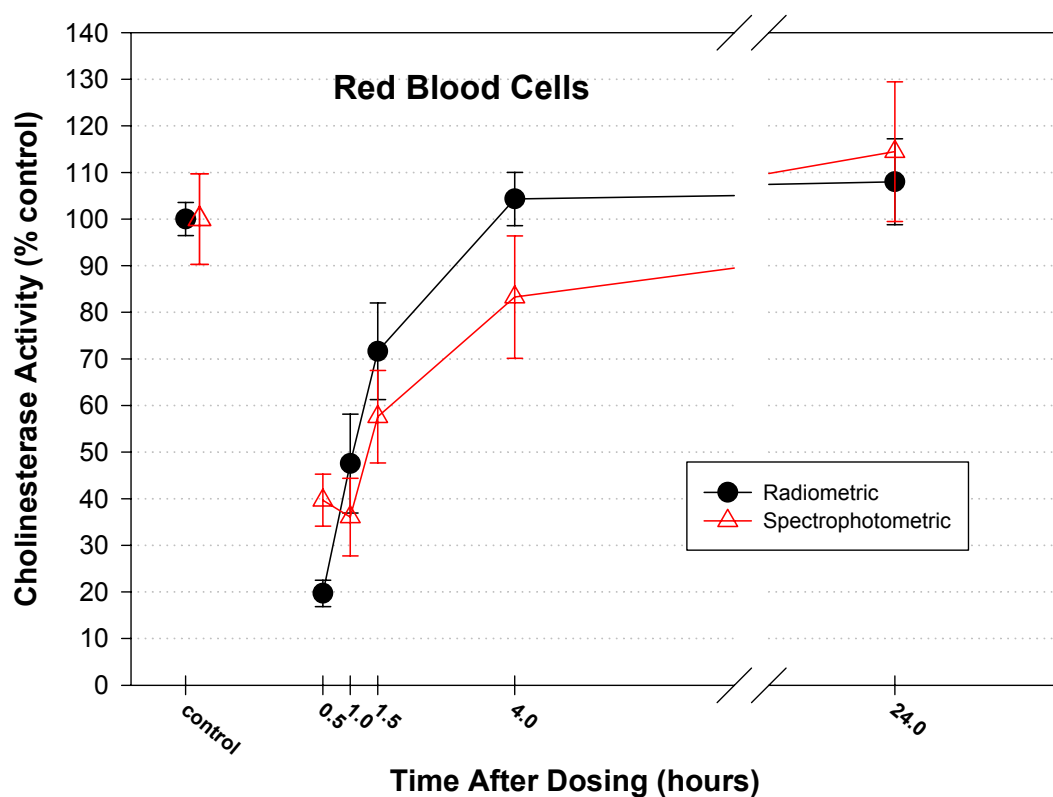
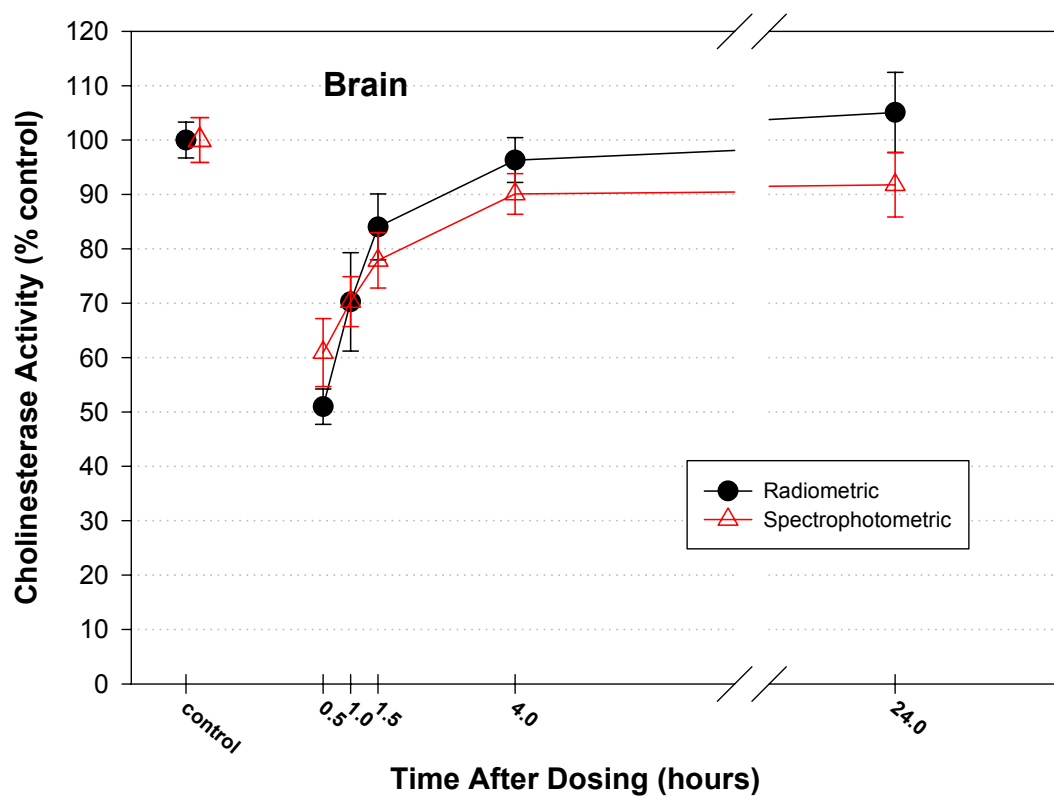
Compound A Dose-Response



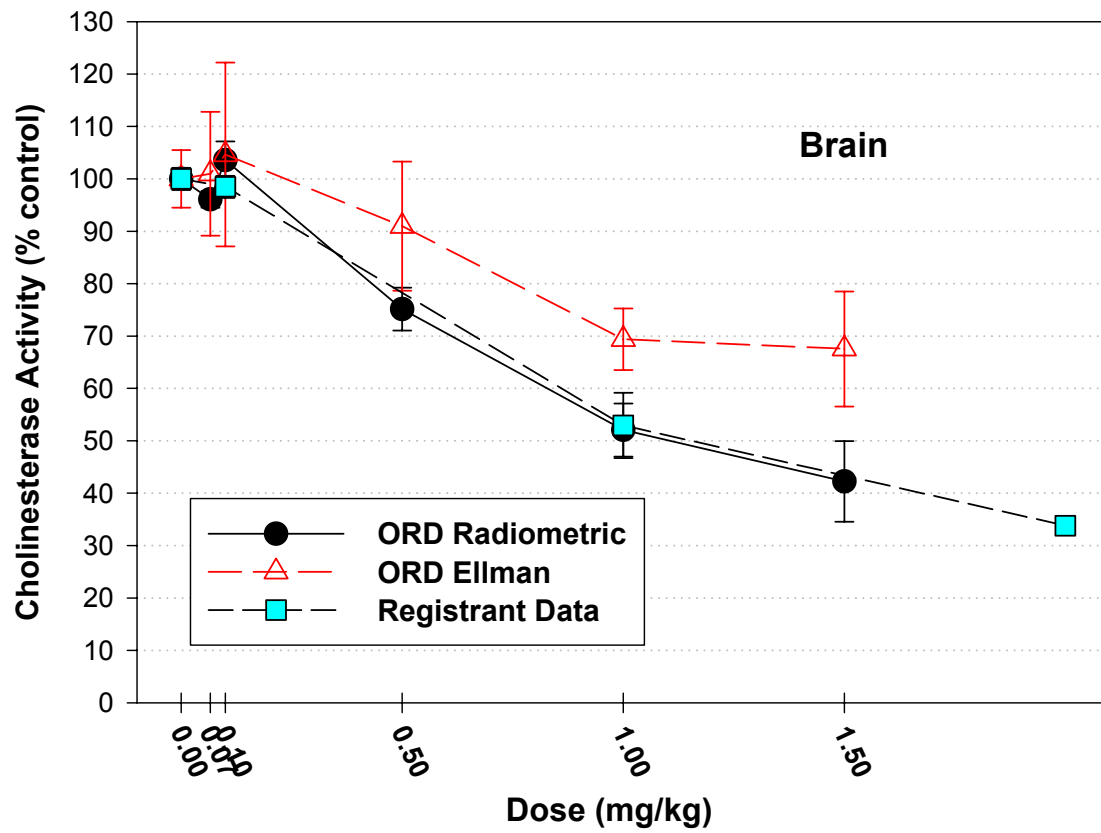
Compound A Dose-Response



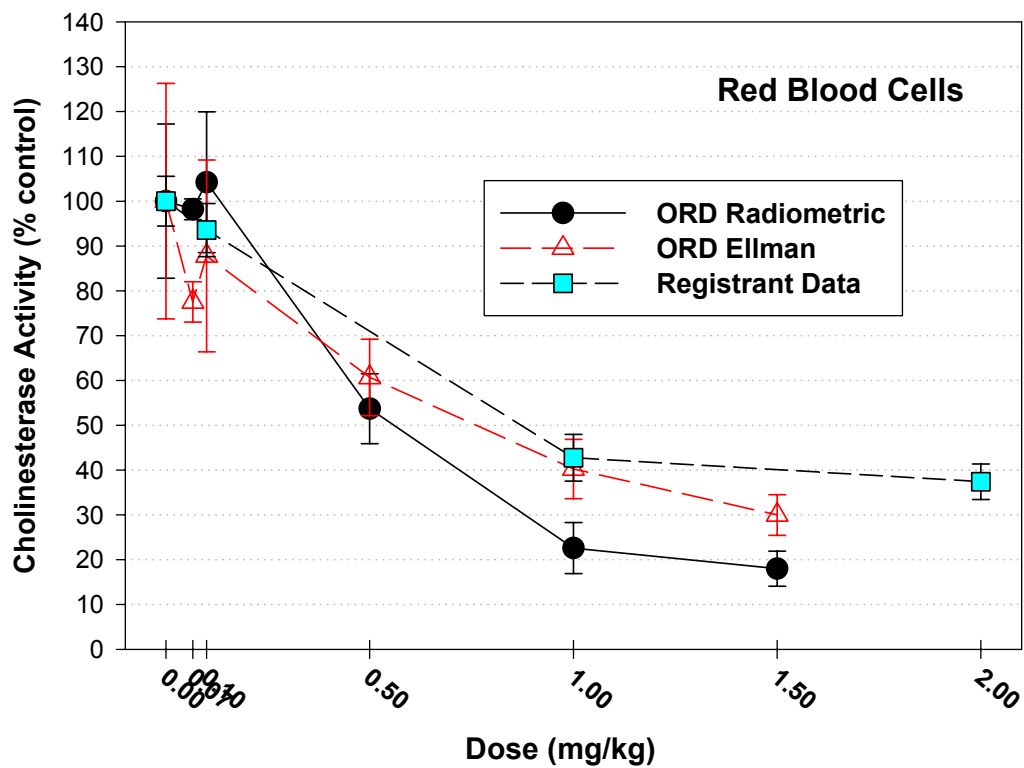
Time Course of Brain and RBC Cholinesterase in Compound C Treated Rats (1 mg/kg in water) oral



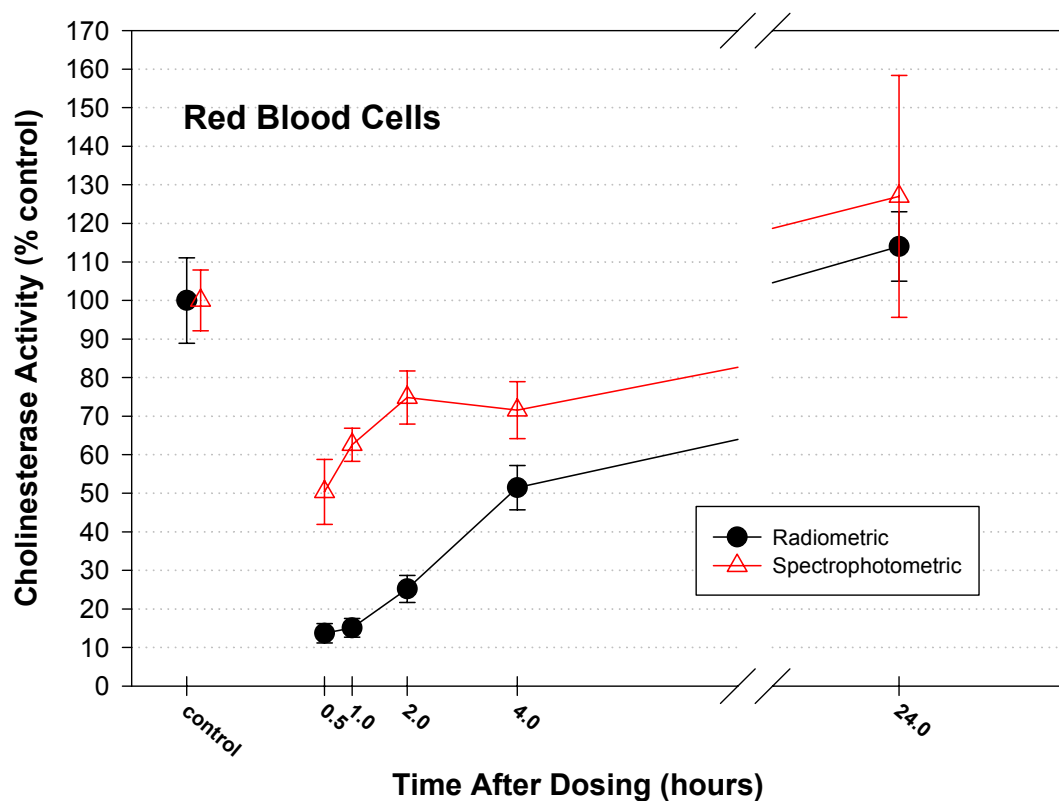
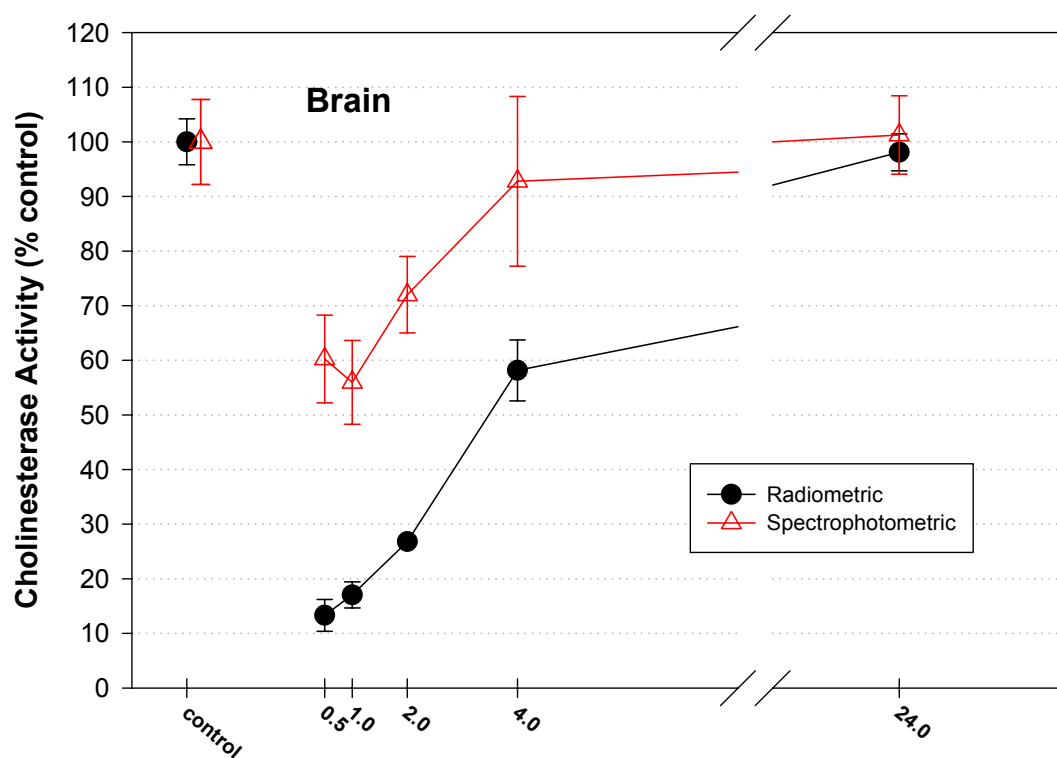
Compound C Dose-Response



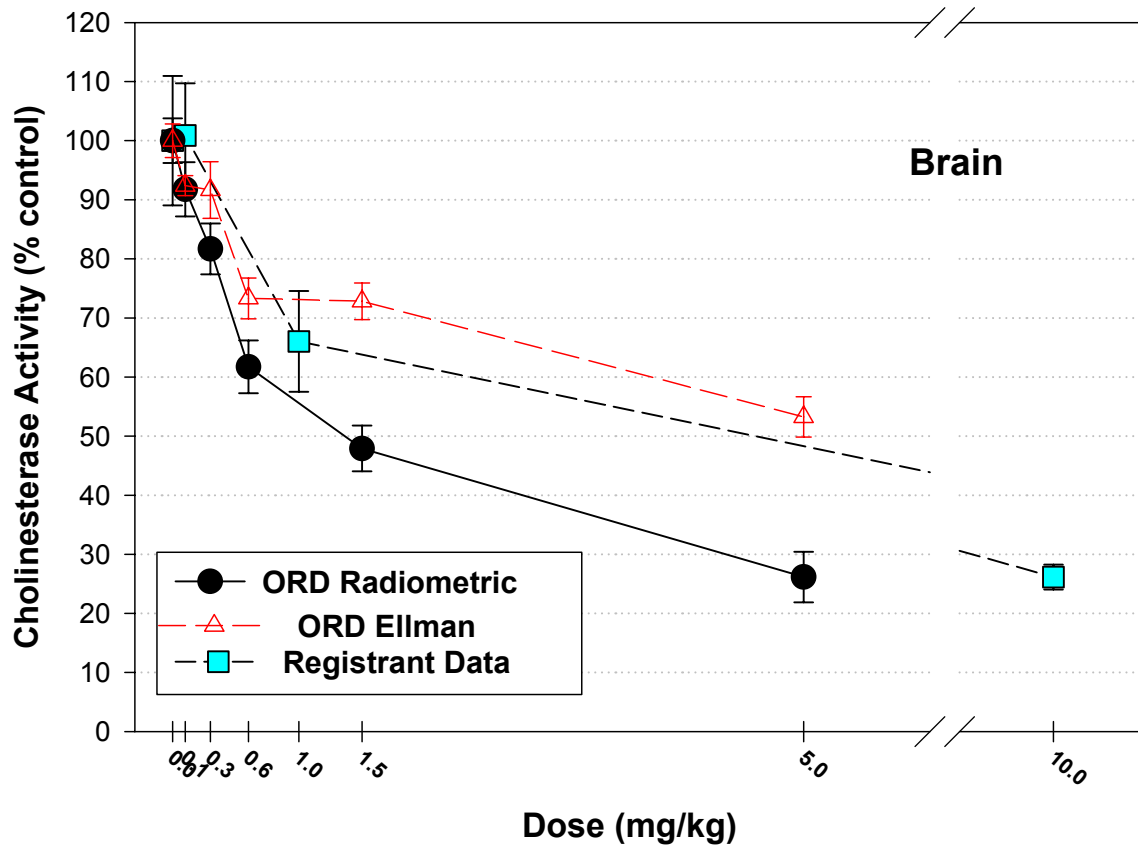
Compound C Dose Response



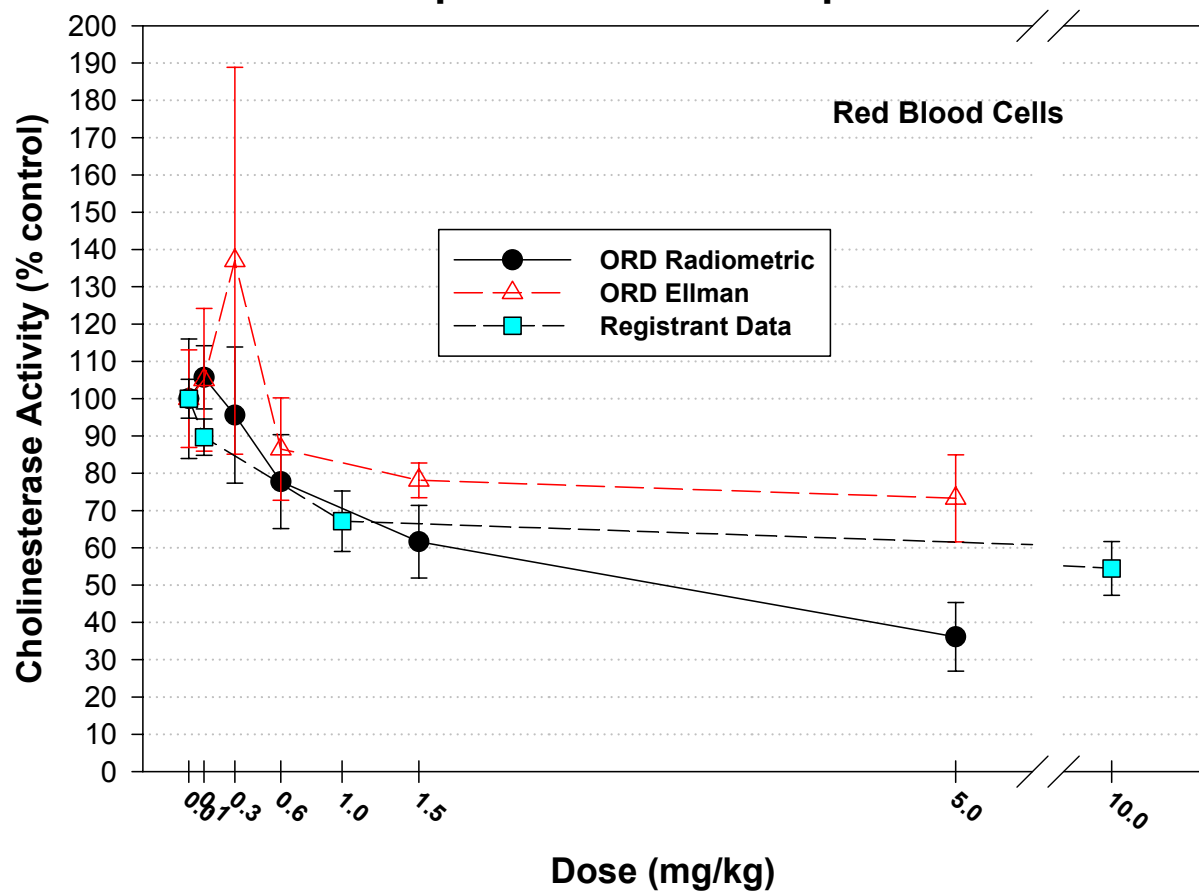
Compound D Cholinesterase Time Course (10 mg/kg in water)



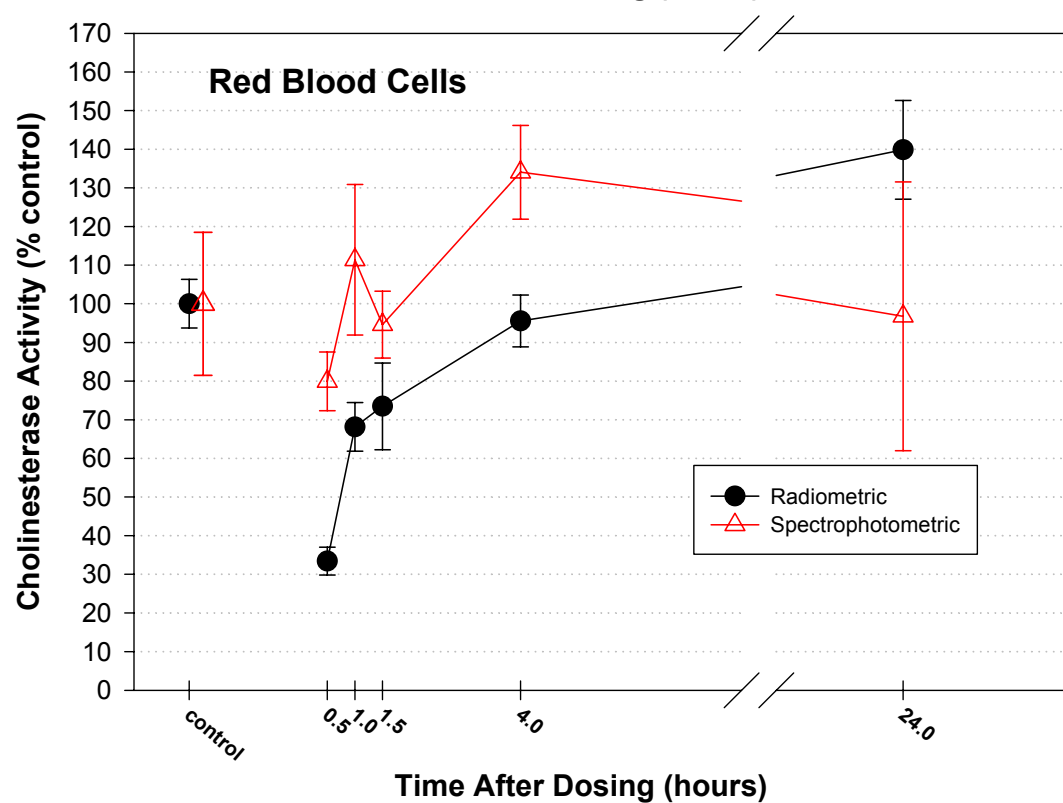
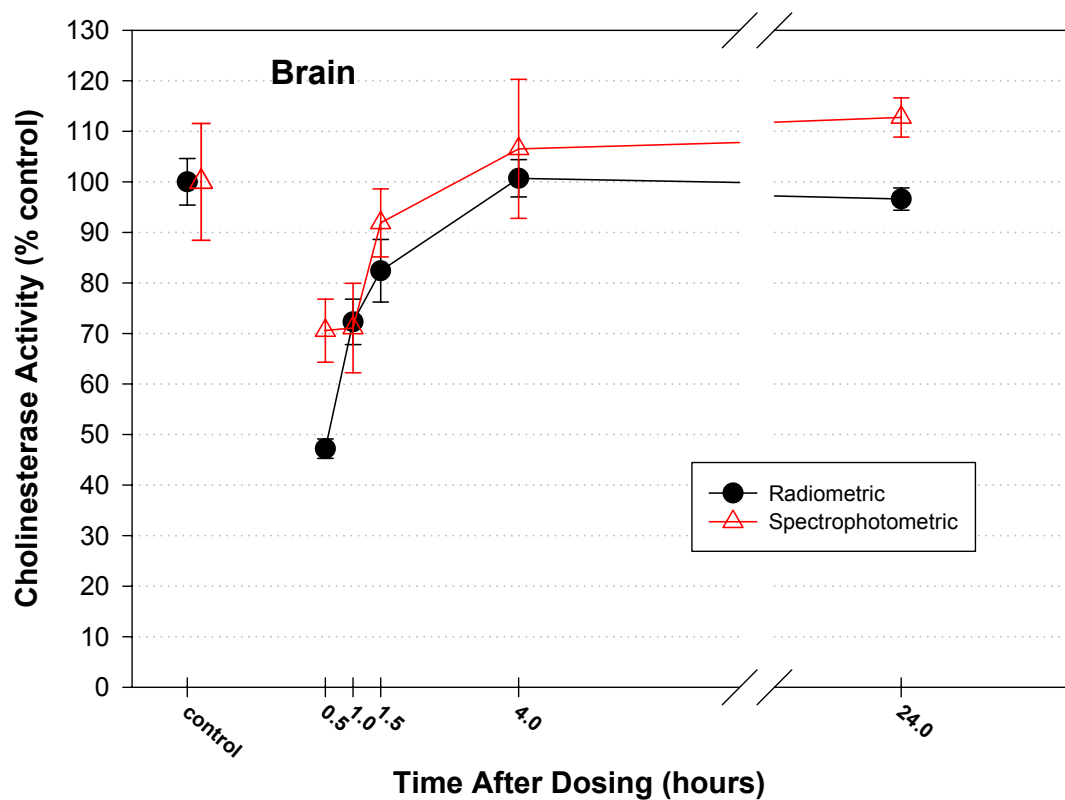
Compound D Dose-Response



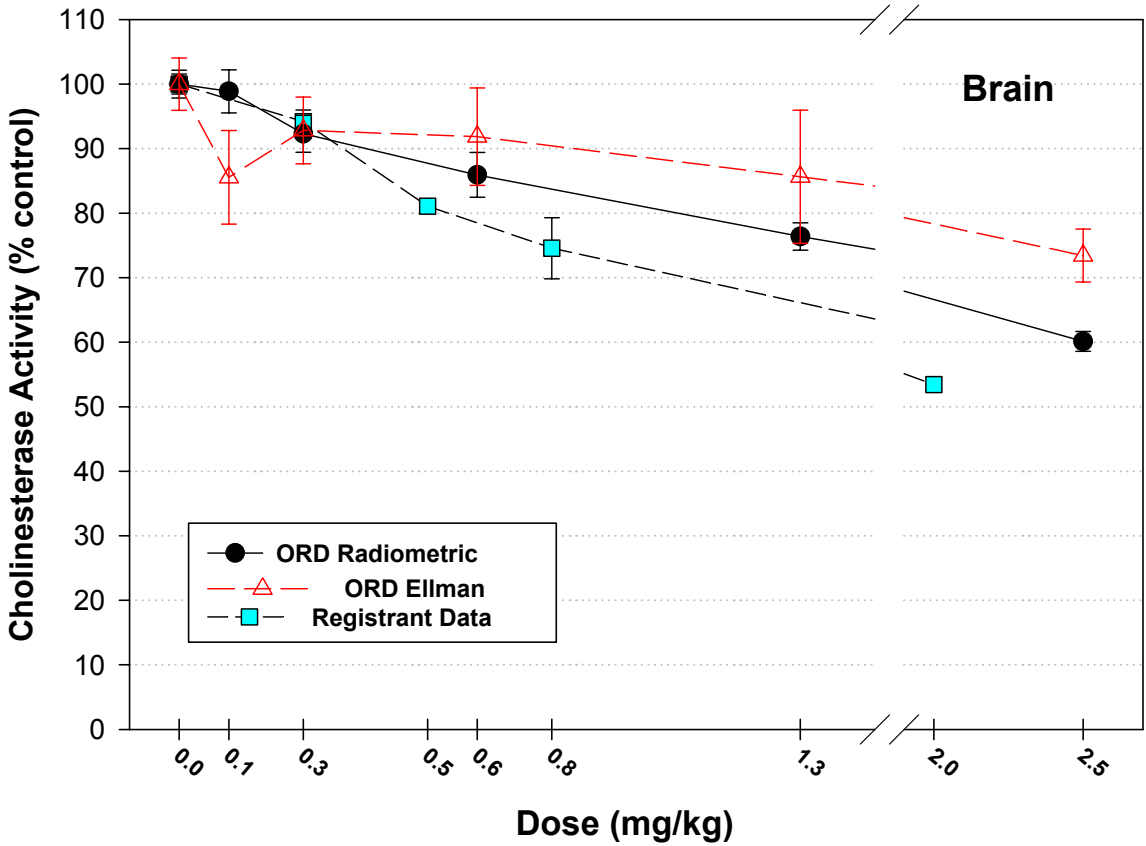
Compound D Dose-Response



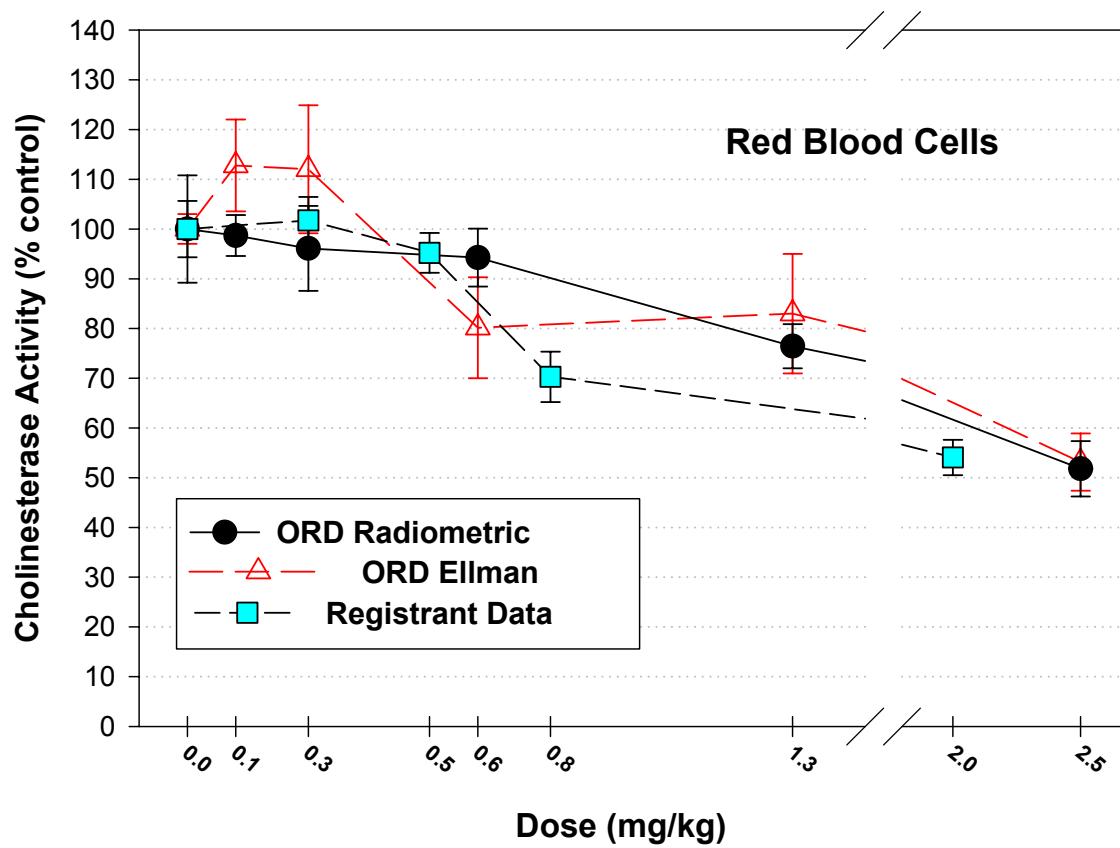
Time Course of Brain and RBC Cholinesterase in Compound E Treated Rats (3mg/kg in water) orally



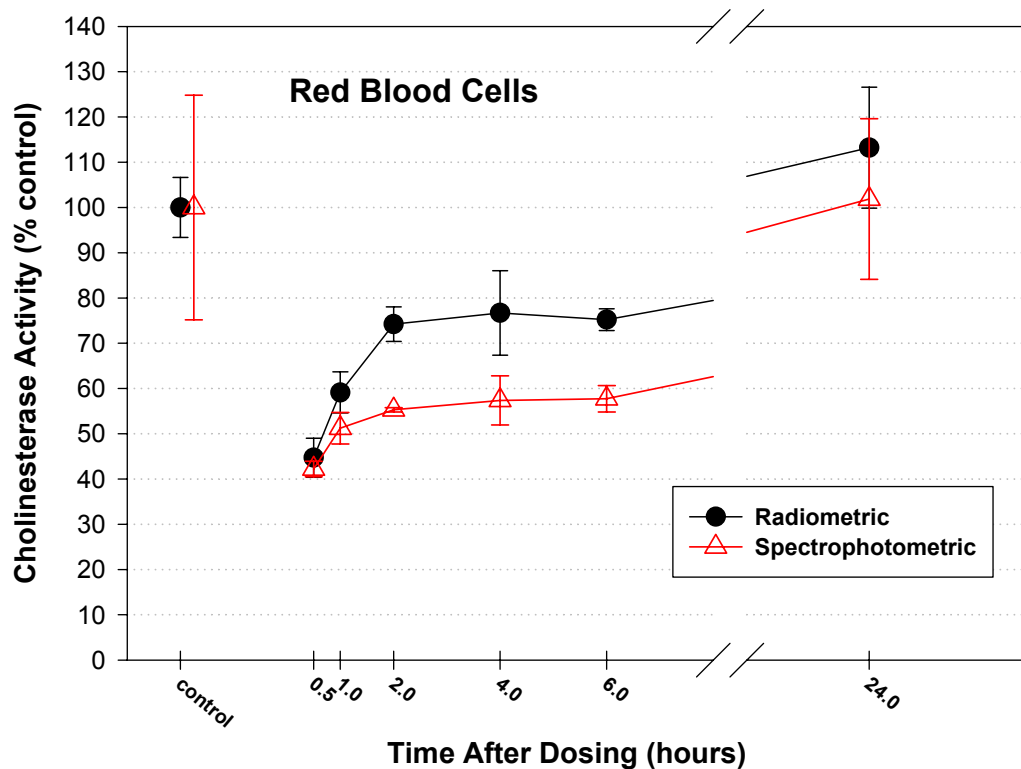
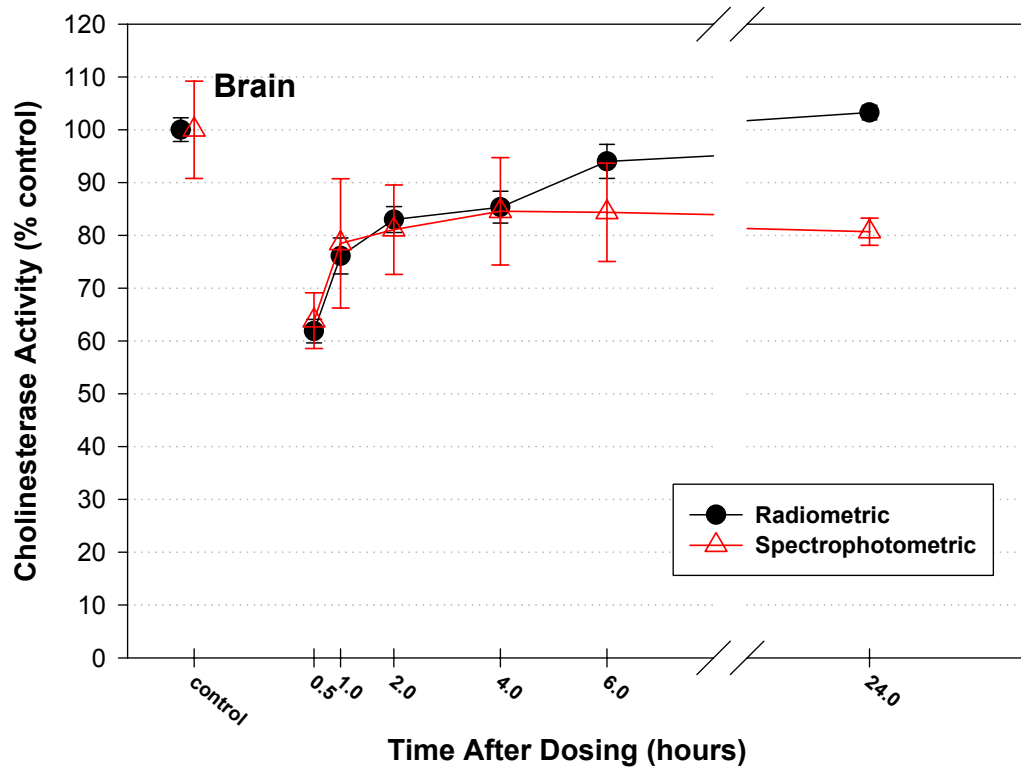
Compound E Dose-Response



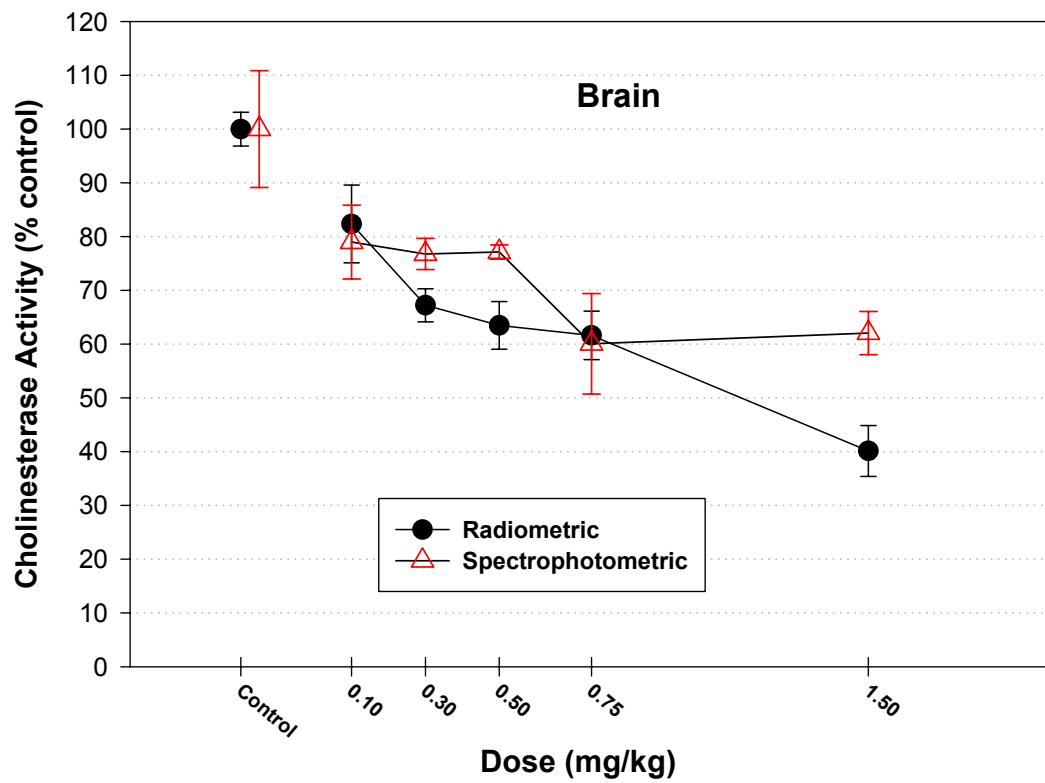
Compound E Dose-Response



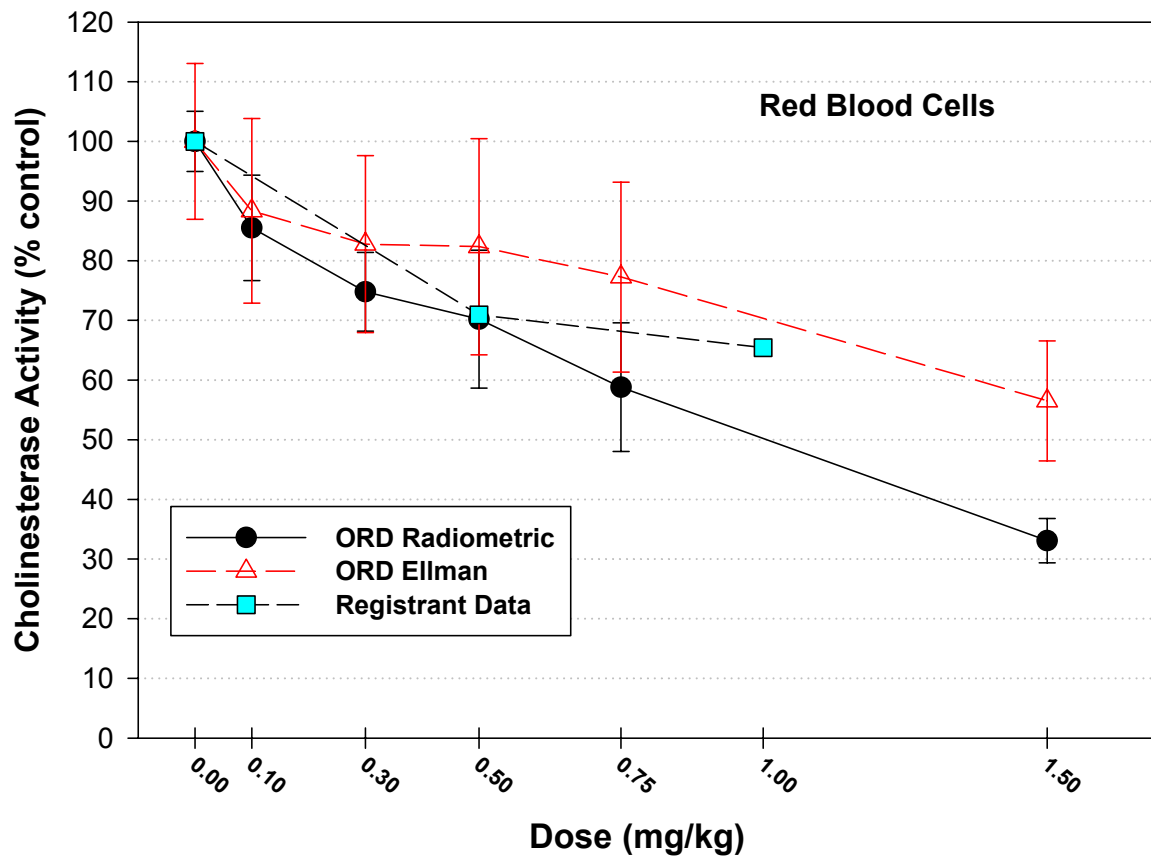
Compound F Brain Cholinesterase Time Course (0.5mg/kg in corn oil)



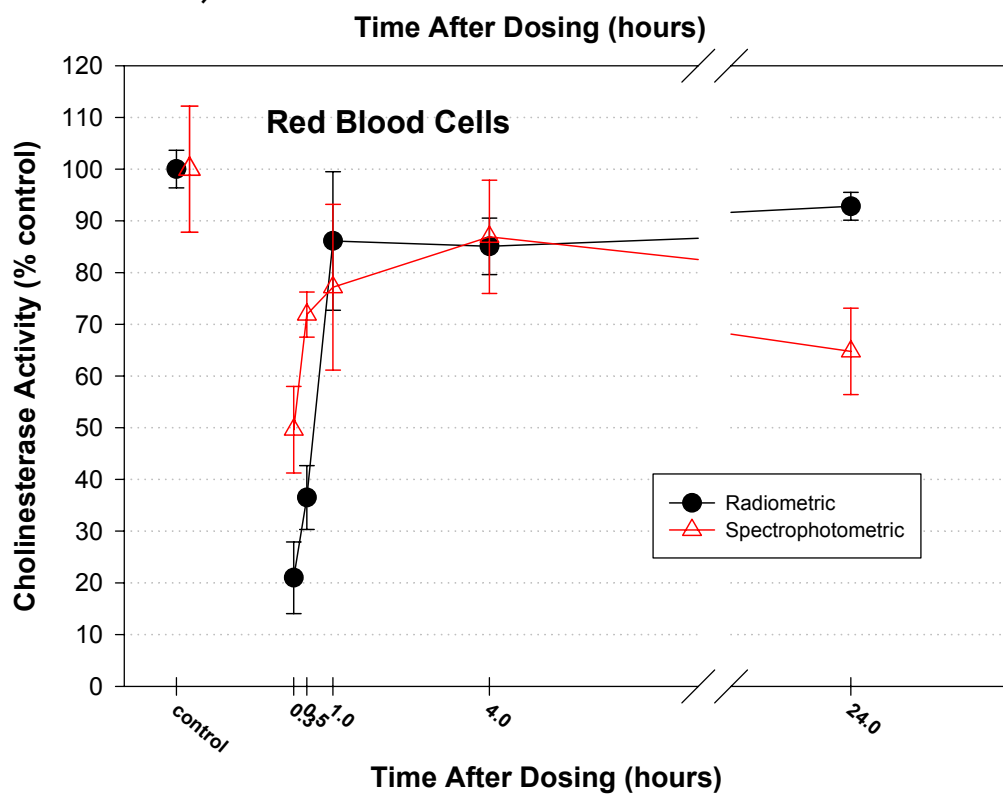
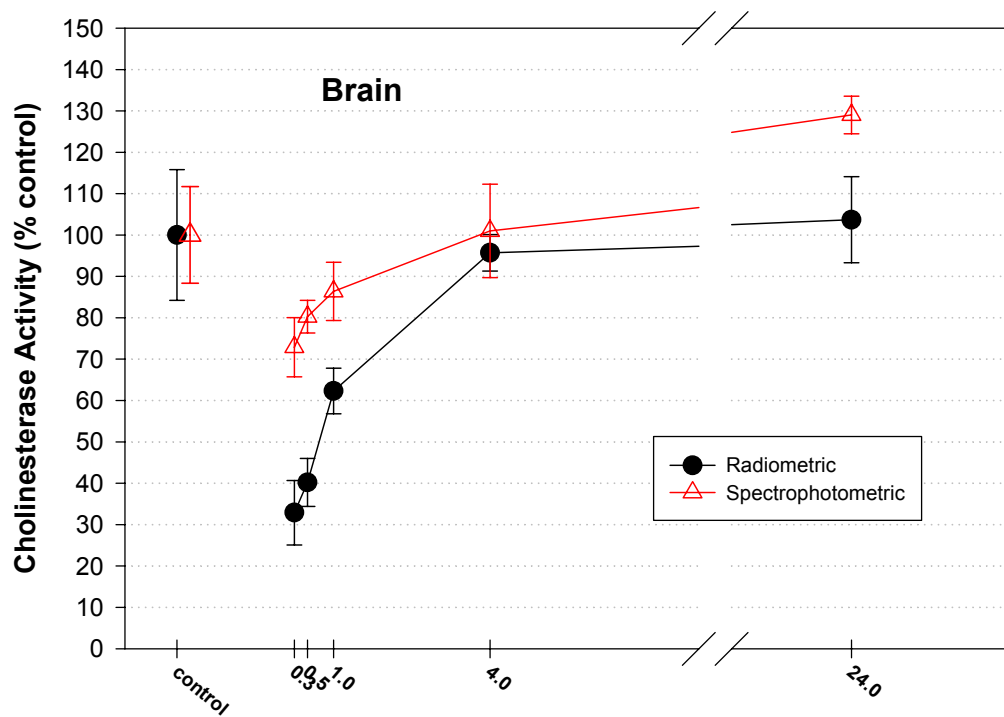
Compound F Dose Response



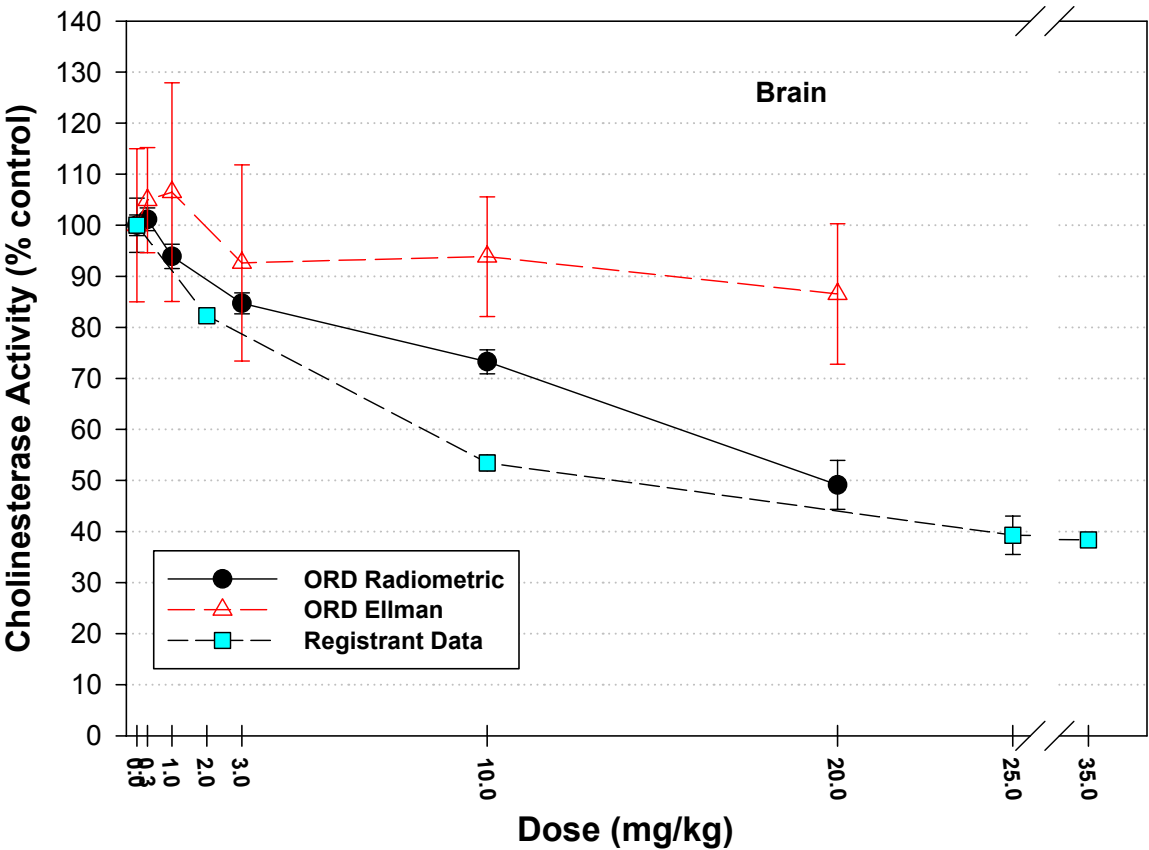
Compound F Dose Response



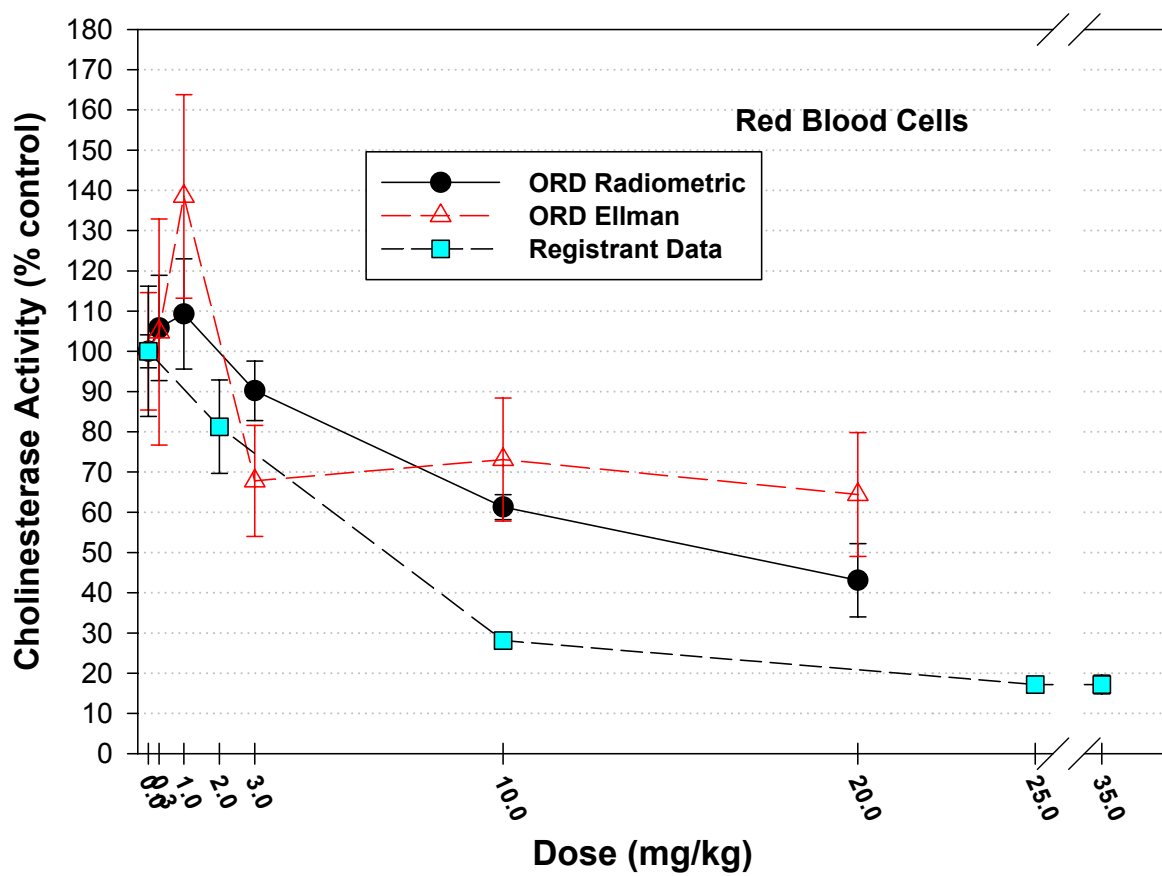
Time Course of Brain and RBC Cholinesterase in Compound G Treated Rats (20 mg/kg in corn oil) orally



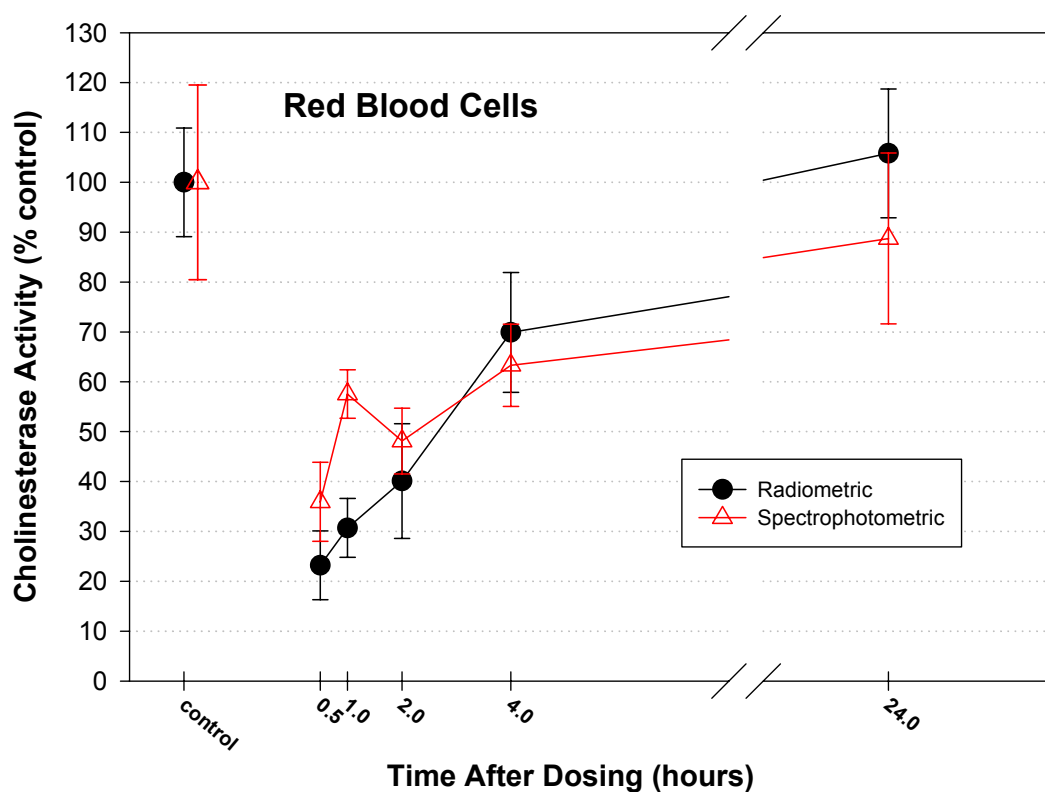
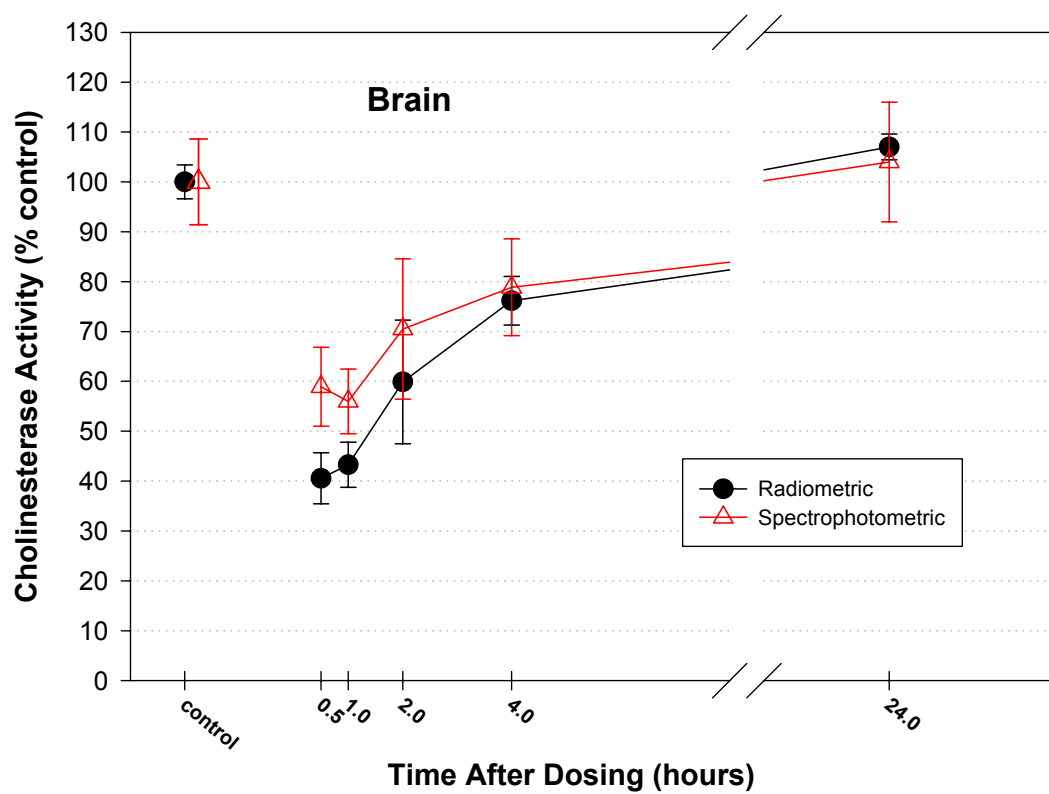
Compound G Dose-Response



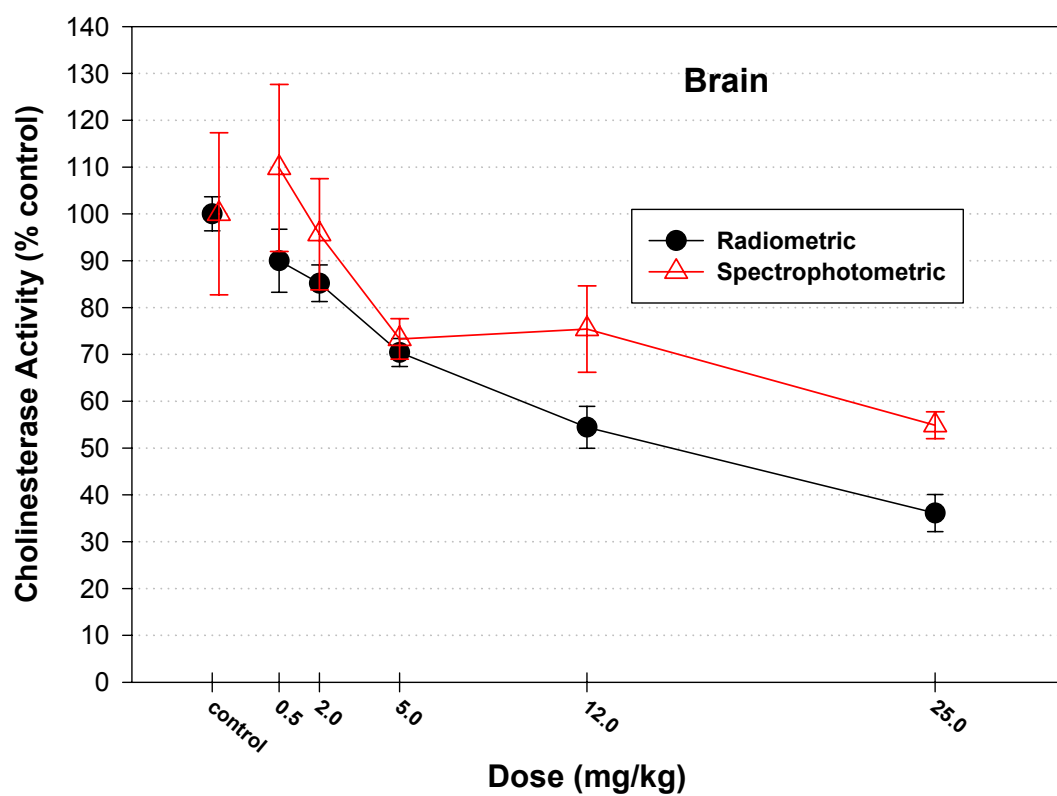
Compound G Dose-Response



Time Course of Brain and RBC Cholinesterase in
Compound H Treated Rats (25 mg/kg in corn oil) orally



Compound H Dose-Response Radiometric and Ellman



Compound H Dose-Response

