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Appendix 1 Specificity of the competitive binding for pyrimethamine

Various kinds of folates and derivatives used were

- (a) pyrimethamine
- (b) folic acid
- (c) tetrahydrofolate
- (d) 5-methyltetrahydrofolate
- (e) leucovorin

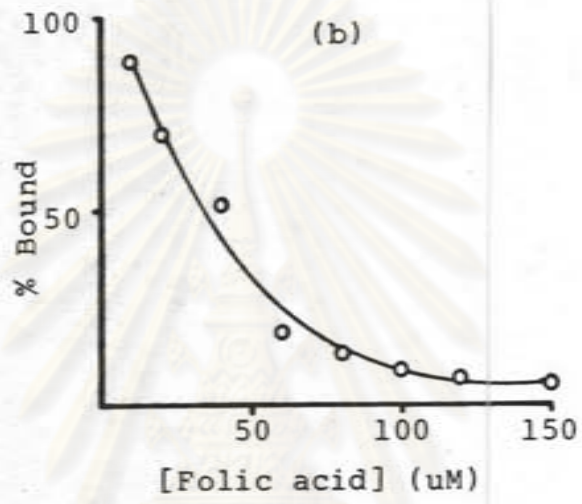
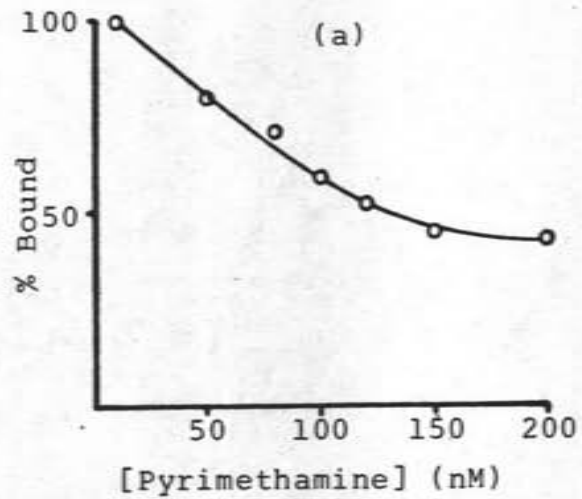
The assays were performed as described in Methods Section 6.4. Each experiment was performed with the fixed amount of DHFR (23.7 units) and fixed ^{14}C - pyrimethamine (10 nM). Various concentrations of folates and analogues are indicated in each figure.

Appendix 1a with the presence of mouse plasma (35 mg proteins)

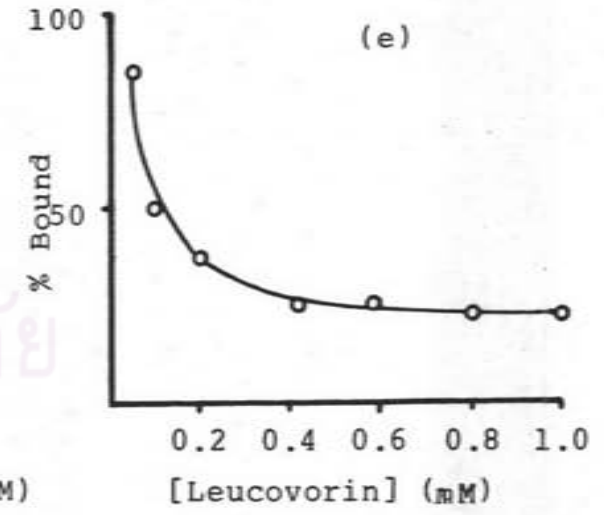
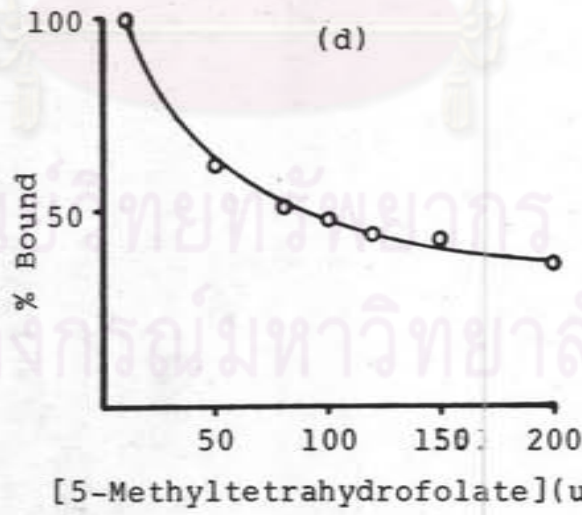
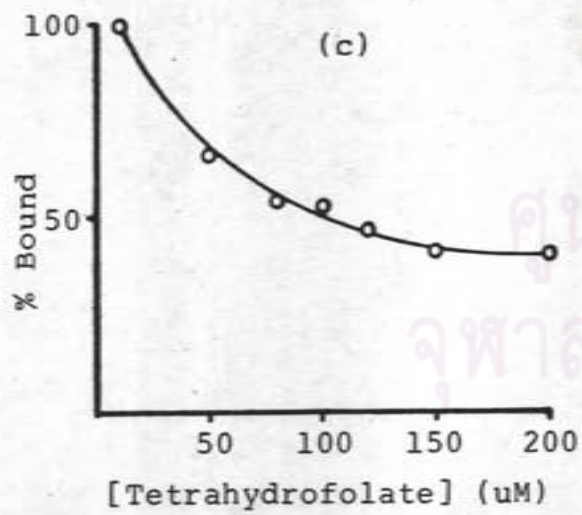
Appendix 1b with the presence of mouse liver extract (100 ul of 1:8 vol:vol ethanol extraction)

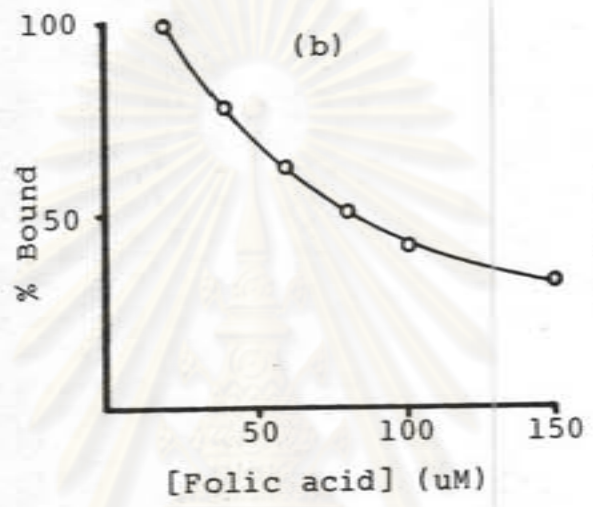
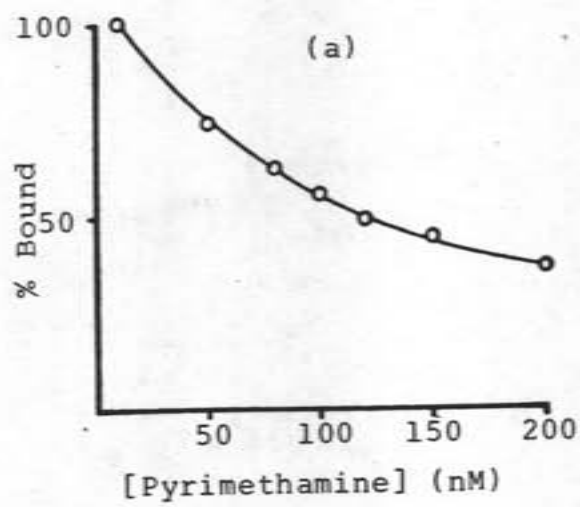
Appendix 1c with the presence of human plasma (39 mg proteins)

Appendix 1d with the presence of human serum (49 mg proteins)

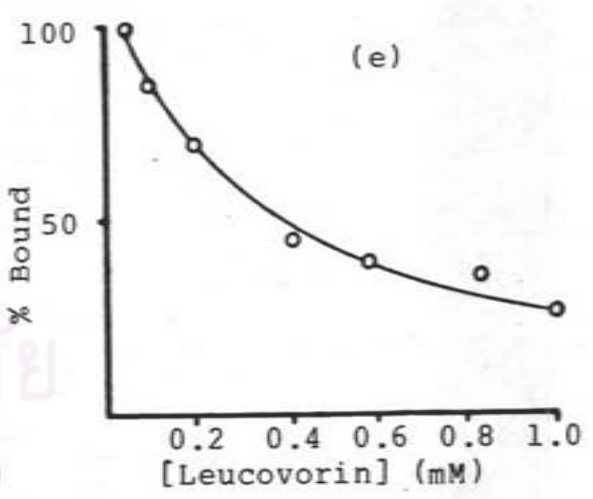
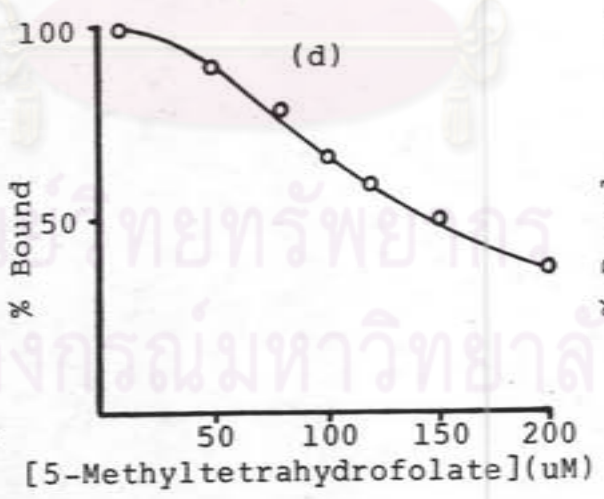
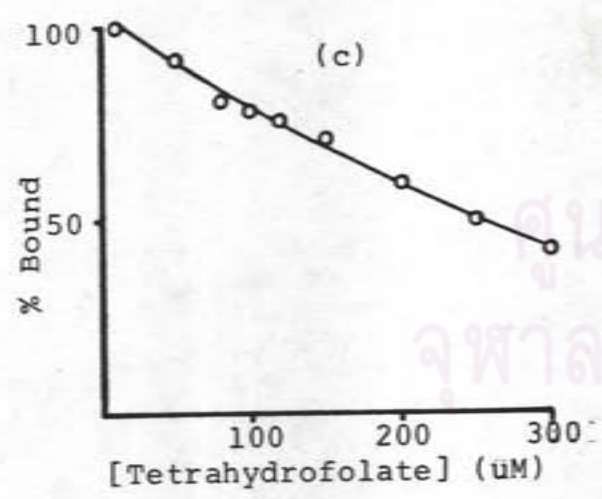


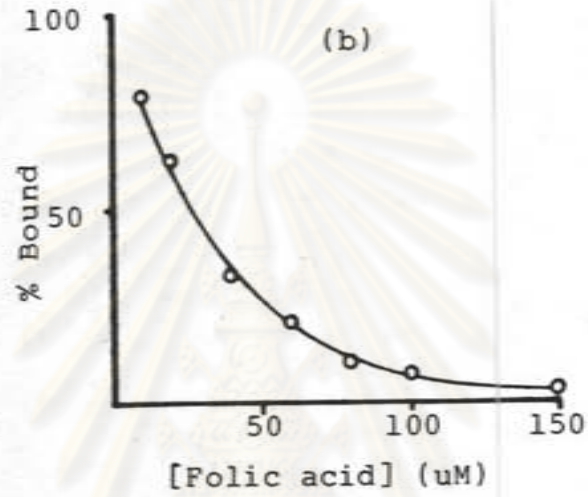
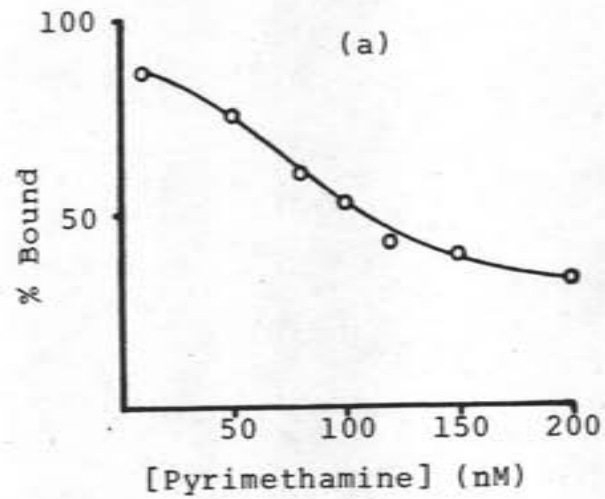
Appendix 1a



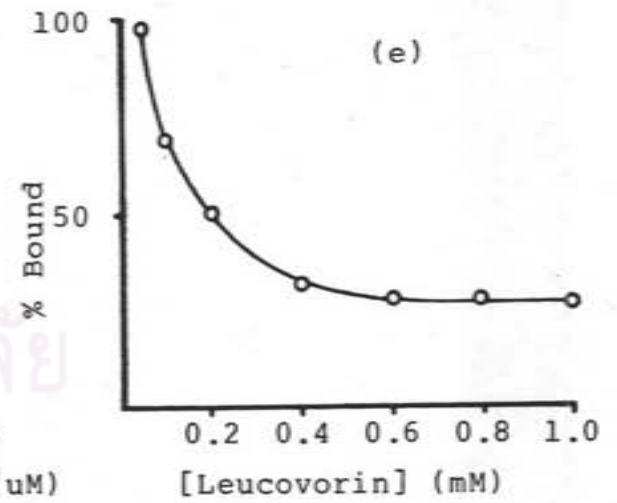
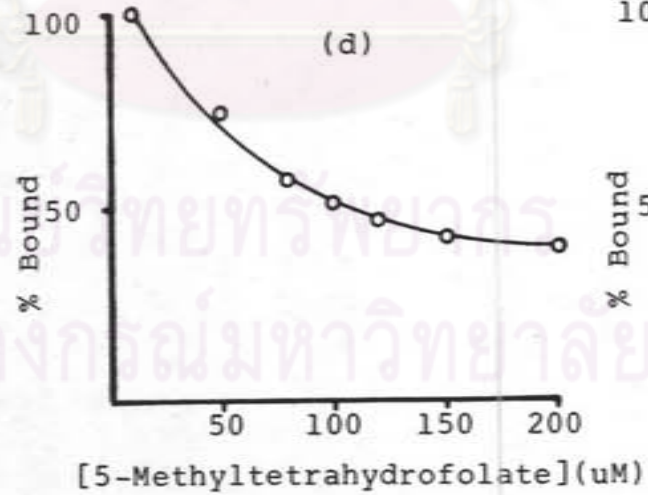
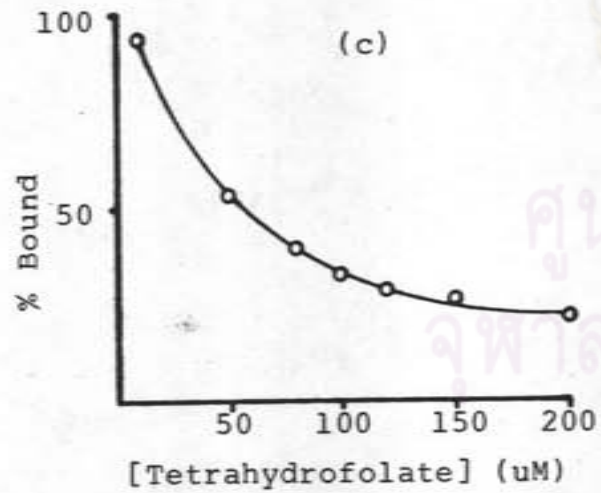


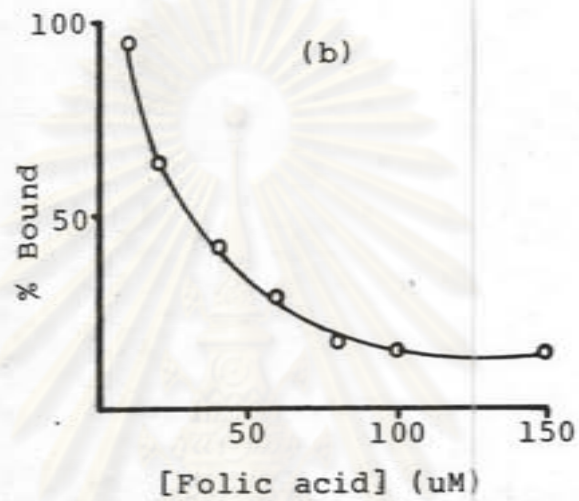
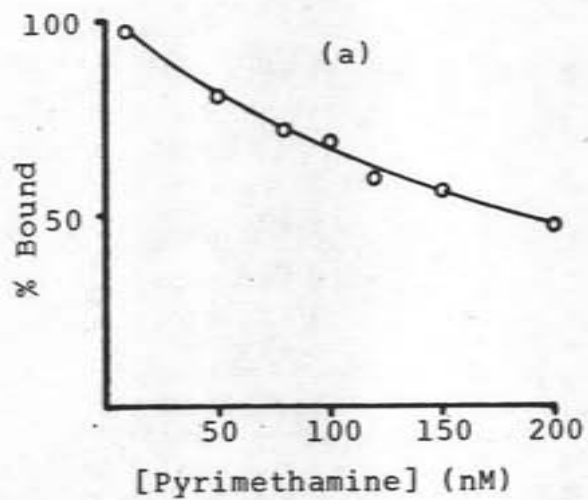
Appendix 1b



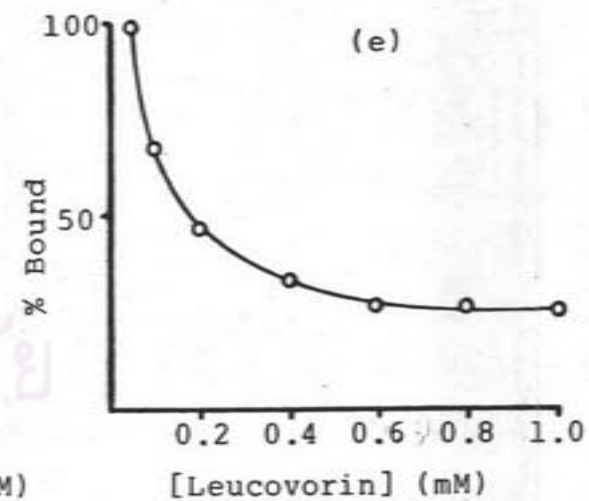
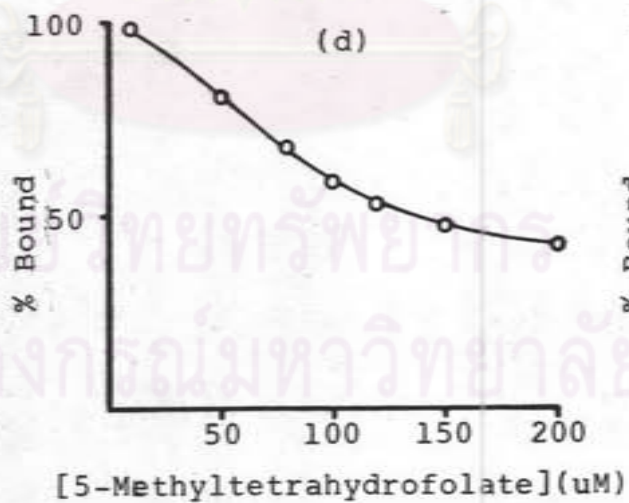
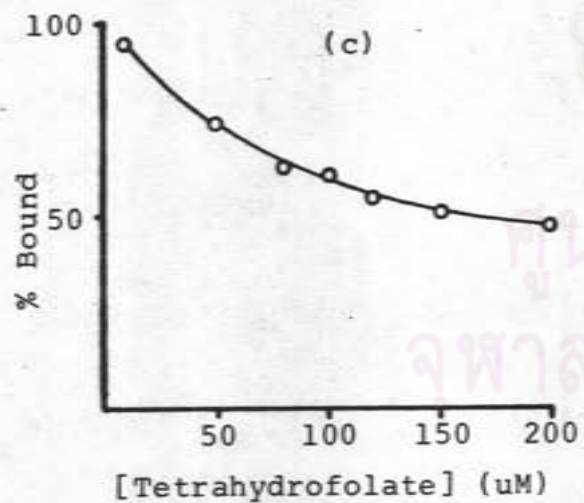


Appendix 1c





Appendix 1d



BIOGRAPHY

Miss Thanaphorn Tanchareon, born on January 18, 1960 graduated with the degree of Bachelor of Science in Biochemistry, Faculty of Science, Chulalongkorn University in the year 1982.



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