

This is to certify that the work presented in this thesis is original and was obtained from the studies undertaken by me under the supervision of **Dr. Sarita Gupta**.

Vadodara

Date: 28-04-2003

Anil Kumar Pillai

This is to certify that this work presented in the form of a thesis in fulfillment of the requirement for the award of the PhD degree of the M.S.University of Baroda by Mr. Anil Kumar Pillai is his original work. This entire research work and the thesis have been

built up under my supervision.

Dr Sarita Gupta

Research Supervisor

Department of Biochemistry

Faculty of Science

M.S.University of Baroda

Vadodara 390 002