ACKNOWLEDGMENT

I am deeply indebted to my respected teacher Dr. P.T.Acharya, Professor of Clinical Chemistry, Medical College, Baroda for his continuous guidance, persistent encouragement and valuable suggestions during the course of the present study.

I am extremely thankful to Dr. V.P.Bhatt, the Dean,
Medical College, Baroda and Dr. S.P.Desai, the Superintendent,
S.S.G.Hospital, Baroda for allowing me to use the hospital records
and library references.

I express my deep sense of appreciation to Dr.A.S.Chikermane, Professor of Pediatrics, Medical College, Baroda for his kind consent to collect blood specimen from the newborn infants under his care and for his valuable suggestions.

My thanks are also due to Dr. R.V.Bhatt, Professor of Obstetrics and Gynaecology, Medical College, Baroda for his kind permission to collect some of my material from his department.

This investigation has been made possible by a generous gift of glucagon from Prof. M. Lubran, University of Chicago, Ill., U.S.A.

I also owe much to the many nurses, who have helped me during the period of specimen collection and my special gratitude is due to Sister Shantaben Patel.