

Table of contents

Preface.....	3
Summary	4
Sammendrag (DANISH SUMMARY)	5
Acknowledgements	7
Table of contents.....	9
Aim of the thesis	11
Abbreviations	12
Introduction.....	13
Proglucagon	14
Glucagon-like peptide-1	14
Glucagon	16
Oxyntomodulin.....	16
Glicentin.....	16
Methods for hormone measurement	17
Antibodies	17
Immunoassays	17
Radioimmunoassay (RIA)	18
Enzyme-Linked Immunosorbent Assay (ELISA)	18
Liquid chromatography-tandem mass spectrometry (LC-MS/MS)	19
Multiplexing.....	20
Glucagon-like peptide-1, glucagon and oxyntomodulin measurement	20
Projects.....	26
Study 1.....	26
Perspectives and future studies	27
Study 2.....	27
Perspectives and future studies	28
Study 3.....	28
Perspectives and future studies	29
Study 4.....	29
Perspectives and future studies	30

Study 5.....	30
Perspectives and future studies	31
Discussion and conclusion.....	31
Bibliography	42
List of Figures	49
List of Tables	49
Appendix.....	49
Study 1.....	50
Study 2.....	50
Study 3.....	50
Study 4.....	50
Study 5.....	50