

TABLE OF CONTENTS

1	GENERAL REMARK.....	1
2	GENERAL INTRODUCTION.....	2
	2.1 THE BOVINE PLACENTA AND RETENTION OF FETAL MEMBRANES.....	2
	2.2 MATRIX METALLOPROTEINASES AND THEIR TISSUE INHIBITORS.....	5
3	PAPER I.....	8
	Epidermal growth factor (EGF) induces motility and upregulates MMP-9 and TIMP-1 in bovine trophoblast cells	
4	PAPER II.....	17
	Expression of matrix metalloproteinase (MMP)-2, MMP-14 and tissue inhibitor of matrix metalloproteinase (TIMP)-2 during bovine placentation and at term with or without placental retention	
5	GENERAL DISCUSSION AND CONCLUSIONS.....	30
6	SUMMARY.....	34
7	ZUSAMMENFASSUNG (GERMAN).....	37
8	REFERENCES.....	40
9	ACKNOWLEDGMENTS.....	49