## **CONTENTS**

INTRODUCTION	1
MATERIALS AND METHODS	
(1) Experimental animals	11
(2) Drug	11
(3) Methods:	
(A)Dosage and experimental design	14
(B) Extraction method	15
(C) Methods used to identify the drugs: -	
I-Spot tests	16
∏- Thin layer chromatography (TLC)	24
III-Gas / mass spectrometery	28
technique (GC/MS)	
IV- Ultraviolet spectroscopy	31
V- Infra red spectroscopy	31
VI- Mass spectroscopy	31

## **RESULTS AND DISCUSSION**

CHAPTER I	
Drug identification and characterization	32
CHAPTER II	
Detection of fentanyl and pentazocine in Postmortem rat tissues	45
СНАРТЕК ІІ І	
Effect of putrefaction on drug stability	69
in different postmortem rat tissues	
. GENERAL SUMMARY	78
REFERENCES	83
ARABIC SUMMARY	