

CHAPTER-I: GENERAL INTRODUCTION

S.No.	Description	Page No.
1.01:	INTRODUCTION ON HIV DRUGS	1-13
1.02:	PART-A: SPECTROPHOTOMETRY	14-48
	I) Criteria for Satisfactory Spectrophotometric Analysis	15-17
	II) Reactions proposed in the present investigation	17-29
	III) Validation of the developed methods	29-34
1.03:	PART-B: HIGH PERFORMANCE LIQUID CHROMATOGRAPHY	34-48
	I) General introduction	34-37
	II) Instrumentation of HPLC	37- 41
	III) HPLC method development	41-43
	IV) HPLC method validation	44-48
1.04.	THE AIM OF THE PRESENT INVESTIGATION	48
	BIBLIOGRAPHY	49-56

CHAPTER-II: STAVUDINE

PART-A: SPECTROPHOTOMETRY	57-98
2.01-A: DRUG PROFILE	57-58
2.02-A: EXPERIMENTAL	58-63
2.03-A: PROPOSED PROCEDURES	63-66
2.04-A: RESULTS AND DISCUSSIONS	67-75
2.05-A: CONCLUSIONS	75
PART-B:HIGH PERFORMANCE LIQUID CHROMATOGRAPHY	
2.01-B: INTRODUCTION	99
2.02-B: EXPERIMENTAL	99-101
2.03-B: METHOD DEVELOPMENT AND VALIDATION	101-107
2.04-B: ANALYSIS OF DOSAGE FORMS	107-108
2.05-B: RESULTS AND DISCUSSION	108-109
2.06-B: CONCLUSIONS	109
BIBLIOGRAPHY	110-112

CHAPTER-III: LAMIVUDINE

PART-A: VISIBLE SPECTROPHOMETRY	113-140
3.01-A: DRUG PROFILE	113
3.02-A: EXPERIMENTAL	114-116
3.03-A: PROPOSED PROCEDURES	116-118
3.04-A: RESULTS AND DISCUSSIONS	118-128
3.05-A: CONCLUSIONS	127
PART-B: REVERSE PHASE-HPLC	141-148
3.01-B: INTRODUCTION	141
3.02-B: EXPERIMENTAL	141-142
3.03-B: METHOD DEVELOPMENT AND VALIDATION	143-148
3.04-B: RESULTS AND DISCUSSION	148
3.05-B: CONCLUSIONS	148
BIBLIOGRAPHY	149

CHAPTER-IV-ZIDOVUDINE

PART-A: SPECTROPHOTOMETRY	150-179
4.01-A: DRUG PROFILE	150-151
4.02-A: EXPERIMENTAL	151-153
4.03-A: PROPOSED PROCEDURES	153-156
4.04-A: RESULTS AND DISCUSSIONS	156-163
4.05-A: CONCLUSIONS	164
PART-B: REVERSE PHASE-HPLC	180-187
4.01-B: INTRODUCTION	180
4.02-B: MATERIAL AND METHODS	180-182
4.03-B: ASSAY METHOD	182
4.04-B: RESULTS AND DISCUSSION	182-187
4.05-B: CONCLUSIONS	187
BIBLIOGRAPHY	188-189

CHAPTER-V: EFAVIRENZ

PART-A: VISIBLE SPECTROPHOTOMETRIC METHODS	190-219
5.01-A: INTRODUCTION	190
5.02-A: EXPERIMENTAL	191-193
5.03-A: PROPOSED PROCEDURES	193-196
5.04-A: RESULTS AND DISCUSSIONS	196-204
5.05-A: CONCLUSIONS	205
PART-B: RP-HPLC	220-224
5.01-B: INTRODUCTION	220
5.02-B: EXPERIMENTAL	220-221
5.03-B: ASSAY METHOD	222-223
5.04-B: RESULTS AND DISCUSSION	223-224
5.05-B: CONCLUSIONS	224
BIBLIOGRAPHY	225
SUMMARY	226-235