

LIST OF FIGURES

Figure	Title	After Page
2-1	Calibration curve of tetracycline hydrochloride in dissolution medium                   ...	47
2-2	Calibration curve of tetracycline hydrochloride in human urine                   ...                   ...	47
2-3	Calibration curve of hydralazine hydrochloride in dissolution medium                   ...	53
2-4	Calibration curve of hydralazine hydrochloride in dog plasma                   ...,                   ...	53
3-1	Cumulative percentage release of tetracycline hydrochloride from shellac-P.V.P. matrix capsules                   ...                   ...	86
3-2	Cumulative percentage release of tetracycline hydrochloride from cellulose acetate phthalate- P.V.P. matrix capsules                   ...	87
3-3	Cumulative percentage release of tetracycline hydrochloride from glyceryl monostearate coated beads                   ...                   ...	91
3-4	Cumulative percentage release of tetracycline hydrochloride from glyceryl distearate coated beads                   ...                   ...	92
3-5	Cumulative percentage release of tetracycline hydrochloride from cellulose acetate phthalate coated beads                   ...	93
3-6	Cumulative percentage release of tetracycline hydrochloride from ethyl cellulose coated beads	94
3-7	Cumulative percentage release of tetracycline hydrochloride from eudragit S100 coated beads...	95

Figure	Title	After Page
3-8	Cumulative percentage release of tetracycline hydrochloride from eudragit RL100 coated beads ...	96
3-9	Cumulative percentage release of tetracycline hydrochloride from eudragit RS100 coated beads ...	97
3-10	Cumulative percentage release of tetracycline hydrochloride from eudragit RL100/RS100 (50:50) coated beads ...	98
3-11	Cumulative percentage release of tetracycline hydrochloride from eudragit RS100 coated beads*...	99
	* Plain beads contain higher concentration of tetracycline hydrochloride (75%)	
3-12	Cumulative percentage release of tetracycline hydrochloride from eudragit RS100 coated beads*...	100
	* 10% avicel was replaced with eudragit RSPM	
3-13	Cumulative percentage release of tetracycline hydrochloride from glyceryl monostearate matrix tablets ...	104
3-14	Cumulative percentage release of tetracycline hydrochloride from glyceryl distearate matrix tablets ...	105
3-15	Cumulative percentage release of tetracycline hydrochloride from eudragit RLPM matrix tablets...	106
3-16	Cumulative percentage release of tetracycline hydrochloride from eudragit RSPM matrix tablets...	107
3-17A	Cumulative percentage release of tetracycline hydrochloride from eudragit RSPM/RLPM matrix tablets (500 mg) ...	108
3-17B	Cumulative percentage release of tetracycline hydrochloride from eudragit RSPM/RLPM matrix tablets (250 mg) ...	108

Figure	Title	After Page
3-18A	Photomicrograph of eudragit RS100-RL100 coated beads of tetracycline hydrochloride (X 40)	... 111
3-18B	Photomicrograph of eudragit RS100-RL100 coated beads of tetracycline hydrochloride showing core and coating (X 100)	... 112
3-19	Cumulative percentage release of hydralazine hydrochloride from glyceryl monostearate coated beads	... 122
3-20	Cumulative percentage release of hydralazine hydrochloride from glyceryl distearate coated beads	... 123
3-21	Cumulative percentage release of hydralazine hydrochloride from eudragit S100 coated beads	... 124
3-22	Cumulative percentage release of hydralazine hydrochloride from eudragit RL100 coated beads...	125
3-23	Cumulative percentage release of hydralazine hydrochloride from eudragit RS100 coated beads...	126
3-24	Cumulative percentage release of hydralazine hydrochloride from eudragit RL100-RS100 (50:50) coated beads	... 127
3-25	Cumulative percentage release of hydralazine hydrochloride from glyceryl monostearate matrix tablets	... 130
3-26	Cumulative percentage release of hydralazine hydrochloride from glyceryl distearate matrix tablets	... 131
3-27	Cumulative percentage release of hydralazine hydrochloride from eudragit RLPM matrix tablets...	132
3-28	Cumulative percentage release of hydralazine hydrochloride from eudragit RSPM matrix tablets...	133

Figure	Title	After Page
3-29	Cumulative percentage release of hydralazine hydrochloride from eudragit RLPM-RSPM matrix tablets	... 134
3-30A	Photomicrograph of eudragit RS100 coated beads of hydralazine hydrochloride (X 40)	... 136
3-30B	Photomicrograph of eudragit RS100 coated beads of hydralazine hydrochloride showing core and coating (X 100)	... 136
4-1	Comparative urinary excretion rates of tetracycline hydrochloride after oral administration of controlled release and conventional products	... 144
4-2	Predicted serum levels of tetracycline after oral administration of controlled release and conventional products	... 145
4-3	Plasma levels of hydralazine after oral administration of conventional and controlled release products.	... 153
5-1 A	Stability studies of tetracycline hydrochloride controlled release capsule (500 mg)	... 167
5-1 B	Stability studies of tetracycline hydrochloride controlled release capsule (250 mg)	... 167
5-2 A	Stability studies of tetracycline hydrochloride controlled release tablet (500 mg)	... 167
5-2 B	Stability studies of tetracycline hydrochloride controlled release tablet (250 mg)	... 167
5-3 A	Stability studies of hydralazine hydrochloride controlled release capsule (50 mg)	... 173
5-3 B	Stability studies of hydralazine hydrochloride controlled release tablet (50 mg)	... 173

\* \* \* \* \*