

LIST OF FIGURES

Figure No.	Title	Page No.
3.1	Calibration curve for chloroquine phosphate in 0.01N hydrochloric acid.	103
3.2	Absorptivity scan of chloroquine phosphate in 0.01N HCl (10 µg/ml)	103
3.3	Calibration curve for chloroquine phosphate in PBS	106
3.4	Absorptivity scan of chloroquine phosphate in PBS (10µg/ml)	106
3.5	Calibration Curve for chloroquine phosphate extracted from rat blood into 0.01 N hydrochloric acid.	112
3.6	Calibration Curve for chloroquine phosphate extracted from rat lung into 0.01 N hydrochloric acid.	112
3.7	Calibration Curve for chloroquine phosphate extracted from rat liver into 0.01 N hydrochloric acid.	113
3.8	Calibration Curve for chloroquine phosphate extracted from rat heart into 0.01 N hydrochloric acid.	113
3.9	Calibration Curve for chloroquine phosphate extracted from rat kidney into 0.01 N hydrochloric acid.	114
3.10	Calibration Curve for chloroquine phosphate extracted from rat spleen into 0.01 N hydrochloric acid.	114

Figure No.	Title	Page No.
3.11	Absorptivity scan of chloroquine phosphate extracted from rat blood into 0.01N hydrochloric acid (10µg/ml)	115
3.12	Absorptivity scan of chloroquine phosphate extracted from rat lung into 0.01N hydrochloric acid (10µg/ml)	115
3.13	Absorptivity scan of chloroquine phosphate extracted from rat liver into 0.01N hydrochloric acid (10µg/ml)	116
3.14	Absorptivity scan of chloroquine phosphate extracted from rat heart into 0.01N hydrochloric acid (10µg/ml)	116
3.15	Absorptivity scan of chloroquine phosphate extracted from rat kidney into 0.01N hydrochloric acid (10µg/ml)	117
3.16	Absorptivity scan of chloroquine phosphate extracted from rat spleen into 0.01N hydrochloric acid (10µg/ml)	117
3.17	Calibration curve for mefloquine hydrochloride in methanol	121
3.18	Absorptivity scan of mefloquine hydrochloride in methanol (20 µg/ml)	122
3.19	Calibration curve for mefloquine hydrochloride in PBS	126
3.20	Absorptivity scan of mefloquine hydrochloride in PBS (6 µg/ml)	126

Figure No.	Title	Page No.
3.21	Calibration curve for mefloquine hydrochloride extracted from rat blood into 0.1N hydrochloric acid	132
3.22	Calibration curve for mefloquine hydrochloride extracted from rat lung into 0.1N hydrochloric acid	132
3.23	Calibration curve for mefloquine hydrochloride extracted from rat liver into 0.1N hydrochloric acid	133
3.24	Calibration curve for mefloquine hydrochloride extracted from rat heart into 0.1N hydrochloric acid	133
3.25	Calibration curve for mefloquine hydrochloride extracted from rat kidney into 0.1N hydrochloric acid	134
3.26	Calibration curve for mefloquine hydrochloride extracted from rat spleen into 0.1N hydrochloric acid	134
3.27	Third derivative spectrum of mefloquine hydrochloride extracted into 0.1N hydrochloric acid from rat blood (10 µg/ml)	135
3.28	Third derivative spectrum of mefloquine hydrochloride extracted into 0.1N hydrochloric acid from rat lung (10 µg/ml)	135
3.29	Third derivative spectrum of mefloquine hydrochloride extracted into 0.1N hydrochloric acid from rat liver (10 µg/ml)	136
3.30	Third derivative spectrum of mefloquine hydrochloride extracted into 0.1N hydrochloric acid from rat heart (10 µg/ml)	136

Figure No.	Title	Page No.
3.31	Third derivative spectrum of mefloquine hydrochloride extracted into 0.1N hydrochloric acid from rat kidney (10 µg/ml)	137
3.32	Third derivative spectrum of mefloquine hydrochloride extracted into 0.1N hydrochloric acid from rat spleen (10 µg/ml)	137
3.33	Comparative in-vitro release profile of batches EC ₁ and EC ₂	174
3.34	Comparative in-vitro release profile of batches EC ₃ to EC ₅	175
3.35	Comparative in-vitro release profile of batches EC ₆ to EC ₈	176
3.36	Comparative in-vitro release profile of batches CC ₁ to CC ₄	177
3.37	Comparative in-vitro release profile of batches CC ₅ to CC ₉	179
3.38	Comparative in-vitro release profile of batches CC ₅ & CC ₁₀ to CC ₁₂	180
3.39	Comparative in-vitro release profile of batches CC ₅ & CC ₁₃ to CC ₁₅	181
3.40	Comparative in-vitro release profile of batches CC ₅ & CC ₁₆ to CC ₁₉	183
3.41	Comparative in-vitro release profile of batches CC ₅ , CC ₂₀ to CC ₂₁	184
3.42	Comparative in-vitro release profile of batches M ₁ to M ₅	186

Figure No.	Title	Page No.
3.43	Comparative in-vitro release profile of batches M ₆ to M ₉	187
3.44	Comparative in-vitro release profile of batches M ₉ to M ₁₁	188
3.45	Comparative in-vitro release profile of batches M ₁₂ to M ₁₄	189
3.46	Comparative in-vitro release profile of batches M ₁₅ to M ₁₇	190
3.47	Comparative in-vitro release profile of batches M ₁₈ to M ₂₀	191
3.48	Comparative in-vitro release profile of batches M ₂₁ to M ₂₃	192
3.49	Comparative in-vitro release profile of batches M ₂₄ to M ₂₆	193
3.50	Comparison of free drug and microsphere of chloroquine phosphate concentration in blood	234
3.51	Comparison of free drug and microsphere of chloroquine phosphate concentration in blood	234
3.52	Comparison of free drug and microsphere of chloroquine phosphate concentration in heart	235
3.53	Comparison of free drug and microsphere of chloroquine phosphate concentration in heart	235
3.54	Comparison of free drug and microsphere of chloroquine phosphate concentration in kidney and lung	236

Figure No.	Title	Page No.
3.55	Comparison of free drug and microsphere of chloroquine phosphate concentration in kidney and lung	236
3.56	Comparison of free drug and microsphere of chloroquine phosphate concentration in liver and spleen	237
3.57	Comparison of free drug and microsphere of chloroquine phosphate concentration in liver and spleen	237
3.58	Comparison of free drug and microsphere of mefloquine hydrochloride concentration in blood	238
3.59	Comparison of free drug and microsphere of mefloquine hydrochloride concentration in blood	238
3.60	Comparison of free drug and microsphere of mefloquine hydrochloride concentration in heart	239
3.61	Comparison of free drug and microsphere of mefloquine hydrochloride concentration in heart	239
3.62	Comparison of free drug and microsphere of mefloquine hydrochloride concentration in kidney and lung	240
3.63	Comparison of free drug and microsphere of mefloquine hydrochloride concentration in kidney and lung	240
3.64	Comparison of free drug and microsphere of mefloquine hydrochloride concentration in liver and spleen	241
3.65	Comparison of free drug and microsphere of mefloquine hydrochloride concentration in liver and spleen	241