

Table 3.45 CV% values of AUC mean of propranolol and sildenafil (internal standard) in serum blood.

Concentration	Propranolol Area	Sildenafil Area	Mean (Propranolol)	C.V % (Propranolol)	Mean (Sildenafil)	C.V % (Sildenafil)
150 ng/ml QC Low	4483	112051	4582	2.88	117653	4.12
	4531	120438				
	4732	120471				
1500 ng/ml QC Mid	63470	134955	61805	2.49	128485	4.38
	60429	124779				
	61515	125721				
2500 ng/ml QC High	98807	119284	101061	2.25	121769	1.88
	101027	123803				
	103348	122220				

The highest recovery of PRN in serum was shown by QC high of 100.93% while the lowest recovery was obtained by QC low of 99.25% which are considered acceptable recovery ratios of PRN between mobile phase and serum as shown in **table 3.46**.

Table 3.46 Absolute recovery ratios of propranolol in serum.

Concentration	AUC mean in serum	AUC mean in mobile phase	Absolute Recovery
150 ng/ml QC Low	4582	4617	99.25
1500 ng/ml QC Mid	61805	61572	100.38
2500 ng/ml QC High	101061	100128	100.93