

Given these results the slight change in wavelength (± 3) gave a slight variation in AUCs of esomeprazole and tadalafil, but RSD% values remain within the accepted range ($< 2\%$) and hence the results are validate and the method is robust.

3.6.2 Robustness Regarding pH Changing (± 0.2)

According to change pH ± 0.2 units, the main pH based in this method is 6.0 and the results obtained are shown in tables (20, 21), and chromatograms are shown in figures (25,26).

Table (20): Robustness regarding pH +0.2

Parameters	pH 6.00		pH 6.20	
	Esomeprazole	Tadalafil	Esomeprazole	Tadalafil
Average Area	1299576	1044488	1388191	1150011
RSD%	0.28	1.19	0.26	0.76
Theoretical plates	9017	9907	4395	5002
Asymmetry	1.06	1.03	1.10	1.03
Resolution	N.A	4.15	N.A	2.89