

Supplemental Table 3. Validation parameters of dexamethasone quantified using HPLC.

Validation parameters	Dexamethasone	
Linearity expressed as R ²	0.99825	
Range (µg/mL)	25.0 -200.0	
Precision	Intraday (RSD %)	0.1-0.3
	Inter-day (RSD%)	0.9-1.6
Recovery(%)	103.0	
Accuracy	100%(6 injection)	
	[95% Confidence Interval]	[-0.0000394-0.00852]
Limit of detection ^a (µg/mL)	8.2	
Limit of quantitation ^b (µg/mL)	24.9	
Specificity	Specific	

^aThe limit of detection (LOD) was determined based on a signal-to-noise ratio of 3.3:1.

^bThe limit of quantification (LOQ) was determined based on a signal-to-noise ratio of 10:1.