

**Table S1.** System suitability results for the florfenicol (FF) analytical method using chloramphenicol (CAP) as an internal standard.

Parameters *	Reference value	Standard solution		Urine solution	
		average $\pm$ SD **	%RSD ***	average $\pm$ SD **	%RSD ***
Retention time ( $t_R$ )					
FF	-	14.03 $\pm$ 0.02	0.13	13.82 $\pm$ 0.03	0.20
CAP	-	15.07 $\pm$ 0.01	0.09	14.83 $\pm$ 0.02	0.15
Resolution ( $R_s$ )	$\geq 2.0$	3.52 $\pm$ 0.02	0.71	3.38 $\pm$ 0.05	1.35
System repeatability (%RSD)					
FF peak area	$\leq 2.0$	1374603 $\pm$ 5631	0.41	1362532 $\pm$ 5750	0.42
CAP peak area	$\leq 2.0$	1745815 $\pm$ 17056	0.98	1696077 $\pm$ 19546	1.15
Retention factor ( $k$ )					
FF	1-10	6.02 $\pm$ 0.01	0.15	5.91 $\pm$ 0.01	0.23
CAP	1-10	6.53 $\pm$ 0.01	0.11	6.42 $\pm$ 0.01	0.17
Symmetry factor ( $A_s$ )					
FF	0.8-1.5	1.34 $\pm$ 0.01	0.58	1.38 $\pm$ 0.01	0.42
CAP	0.8-1.5	1.34 $\pm$ 0.005	0.35	1.41 $\pm$ 0.01	0.39
Plate number ( $N$ )					
FF	> 2000	34829 $\pm$ 433	1.24	32385 $\pm$ 455	1.40
CAP	> 2000	43686 $\pm$ 707	1.62	40080 $\pm$ 514	1.28

\* System suitability tests were performed in standard (reference) solution and urine (blank sample) solution that contained FF at a concentration of 5.0  $\mu\text{g/mL}$  and CAP at a concentration of 10.0  $\mu\text{g/mL}$ .

\*\* Standard deviation (SD).

\*\*\* Relative standard deviation expressed as a percentage (%RSD).