Table 1. Experimental design

		Exp 1 Ex	Evn 2	Evn 2	Exp 4	Exp 5.1	Exp 5.2	Exp 5.3
			⊏xp 2	⊏xp 3				
Collection tube	Serum	$\checkmark$						
	EDTA	$\checkmark$	Χ	Χ	Χ	Χ	Χ	Χ
	Lithium heparin	$\checkmark$						
Stabilisation cocktail included	Yes	$\checkmark$	Χ			$\sqrt{}$	Χ	Χ
	No	$\sqrt{}$		Χ	Χ	$\sqrt{}$		
Time stabilisation cocktail prepared	Fresh		$\checkmark$					
	1 day in advance		$\sqrt{}$					
	1 week in advance		$\checkmark$					
Time until stabilisation	Immediate						$\sqrt{}$	
	Delayed						$\sqrt{}$	
Temperature samples maintained during processing	Room temp					$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
	Refrigerated					$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Time until centrifugation	Immediately					$\sqrt{}$	Χ	
	Delayed					$\sqrt{}$		
Combined stabilisation and centrifugation	Immediately							$\sqrt{}$
	Delayed							$\sqrt{}$
Frozen storage temperature after processing	-20				$\sqrt{}$			
	-80				$\sqrt{}$			
Freeze-thaw cycles	0			$\sqrt{}$				
	1			$\sqrt{}$				
	2			$\sqrt{}$				
Delay until UPLC-MS/MS analysis	Immediately				$\sqrt{}$			
	Delayed							

<sup>√,</sup> conditions varied in experiment; X, conditions fixed in experiment; EDTA, ethylenediamine tetraacetic acid; UPLC-MS/MS, ultra-perform

