

Supplement Table 1: IFNT-ELISA validation data for quality and reproducibility

			500 pg/mL	100 pg/mL	25 pg/mL	10 pg/mL	
Recovery rate	Average	[%]	101 ± 4	109 ± 6	95 ± 11	88 ± 32	
Intra Assay Precision	CV	[%]	5	2	2	3	
Inter-Assay Precision	CV	[%]	4	5	12	37	
			LOD	LOQ			
Sensitivity	pg/mL		7.3 ± 2.7	24.9 ± 8.9			
Cross reactivity							
Specificity	IFNA	[%]	-				
	IFNB	[%]	-				
	IFNG	[%]	-				
	IFNW	[%]	4				
			AB	SOF	FBS-M	Uterine flushing	
Linearity of Dilution	Dilution in Matrix		Recovery rate				
1000	1	[%]	91	90	95	-	
500	1:1	[%]	105	92	106	99	
250	1:2	[%]	95	95	97	104	
125	1:4	[%]	96	95	104	92	
63	1:8	[%]	98	92	97	93	
31	1:16	[%]	98	82	84	92	
			rb IFNT 1c (AB)	rb IFNT 3a (AB)	CT-1 supernatant (FBS-M)	Embryo supernatant (SOF)	Uterine flushing
Parallelism of native and rb IFNT dilution factor in 1:1 dilution			2.1 ± 0.1	2.1 ± 0.1	1.8 ± 0.0	1.91 ± 0.1	2.0 ± 0.3

Abbreviations: LOD: Limit of detection, LOQ: Limit of quantification, AB: Assay Buffer (PBS including 0.1 % skim milk powder), FBS-M: DMEM/F12 containing 10 % FBS, SOF: synthetic oviductal fluid, rb IFNT: recombinant IFNT