

SUPPLEMENTARY DATA

Supplementary data 1.

Motility variables (means \pm SEM) of chilled boar semen in different sperm counting chambers.

Variable (%)	Counting sperm chamber	
	Leja®	Makler®
TM	77.10 \pm 1.18 ^b	83.27 \pm 1.32 ^a
PM	61.57 \pm 1.09 ^b	63.31 \pm 1.21 ^a
NPM	15.53 \pm 0.37 ^b	20.00 \pm 0.41 ^a
Fast spermatozoa*	71.26 \pm 1.06 ^a	71.73 \pm 1.15 ^a
Medium speed spermatozoa *	23.38 \pm 0.78 ^a	22.35 \pm 0.85 ^a
Slow speed spermatozoa *	5.36 \pm 0.44 ^a	5.92 \pm 0.49 ^a

TM, total motility, PM, progressive motility, NPM, non-progressive motility.

*Spermatozoa with movement categorized as fast ($>45 \mu\text{m}\cdot\text{s}^{-1}$), medium ($25 \leq x < 45 \mu\text{m}\cdot\text{s}^{-1}$), slow ($10 < y < 25 \mu\text{m}\cdot\text{s}^{-1}$).

^{a-b} Different letters within rows, indicate differences ($P < 0.05$) between sperm counting chambers. SEM, standard error of the mean.

Supplementary data 2.

Sperm counting chamber effect on kinematics variables (mean \pm SEM) of chilled boar semen.

Variable (%)	Counting sperm chamber	
	Leja®	Makler®
VCL	63.90 \pm 0.13 ^b	69.73 \pm 0.12 ^a
VSL	32.88 \pm 0.08 ^a	31.32 \pm 0.08 ^b
VAP	42.00 \pm 0.09 ^b	45.54 \pm 0.08 ^a
LIN	51.98 \pm 0.08 ^a	47.40 \pm 0.08 ^b
STR	74.05 \pm 0.10 ^a	68.07 \pm 0.10 ^b
WOB	66.30 \pm 0.06 ^b	67.04 \pm 0.06 ^a
ALH	2.51 \pm 0.001 ^b	2.62 \pm 0.001 ^a
BCF	7.01 \pm 0.01 ^b	7.31 \pm 0.01 ^a

VCL, curvilinear velocity ($\mu\text{m}\cdot\text{s}^{-1}$); VSL, straight-line velocity ($\mu\text{m}\cdot\text{s}^{-1}$); VAP, average path velocity ($\mu\text{m}\cdot\text{s}^{-1}$); LIN, linearity of forward progression (%); STR, straightness index (%); WOB, wobble (%); ALH, amplitude of lateral head displacement (μm); BCF, beat-cross frequency (Hz).

^{a-b} Different letters indicate differences between sperm counting chambers ($P < 0.05$).

SEM, standard error of the mean.