

Table 1. Influence of the origin of cell monolayer on sperm motion characteristics at 22°C

Test conditions	VCL ($\mu\text{m}/\text{sec}$)	VSL ($\mu\text{m}/\text{sec}$)	Linearity percentage	Max ALH (μm)	Hyperactivation percentage
Control	63.0 ± 2.1	40.0 ± 7.9	63.5	4.1 ± 0.8	8.4
Bovine oviduct cell monolayer*	64.3 ^a ± 5.6	38.9 ± 7.1	60.7	3.8 ^a ± 0.6	11.8
Conditioned medium*	68.8 ^b ± 6.1	42.2 ± 8.1	61.3	4.4 ^b ± 0.8	14.7
Human endometrial cell monolayer**	61.4	37.4	61.3	3.4	13.9
Conditioned medium**	66.2	42.1	64.3	4.3	9.8
Vero cell monolayer*	64.9 ± 6.2	40.9 ± 9.6	62.7	3.7 ^a ± 0.6	8.4
Conditioned medium*	66.6 4.7	39.9 ± 3.7	60.1	4.5 ^b ± 0.6	9.8

*Mean of six measurements: \pm SD.

**Mean of two measurements.

a-b: $P < 0.05$.

Table 2. Influence of the origin of cell monolayer on sperm motion characteristics at 37°C

Test conditions	VCL ($\mu\text{m}/\text{sec}$)	VSL ($\mu\text{m}/\text{sec}$)	Linearity percentage	Max ALH (μm)	Hyperactivation percentage
Control	96.4 ± 9.7	58.4 ^a ± 20.1	60.5 ^a	4.9 ± 1.0	18.9 ^a
Bovine oviduct cell monolayer	89.4 ± 17.2	31.3 ^b ± 14.8	35.0	5.1 ± 1.3	36.7 ^b
Conditioned medium	93.9 ± 8.7	42.7 ± 8.5	45.4	5.2 ± 0.9	26.3 ^c
Human endometrial cell monolayer	84.7 ± 21.4	27.0 ^d ± 5.1	31.8 ^d	5.3 ± 1.5	38.6 ^d
Conditioned medium	85.0 ± 14.7	44.0 ^c ± 12.0	51.7	4.9 ± 0.9	25.0 ^c
Vero cell monolayer	90.8 ± 18.6	49.6 ^f ± 21.9	54.6 ^f	4.4 ± 1.8	10.9 ^f
Conditioned medium	99.6 12.9	54.5 ± 12.8	56.4	4.7 ± 1.6	12.6

Values are the mean \pm SD of six measurements.

a-b, a-d, b-c, b-f, d-e, d-f: $P < 0.05$.