



## Effect of New Intimate Moisturizer on Sperm Motility American Society of Andrology Annual Meeting

Phoenix AZ, March 2003

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Numerous publications cite the deleterious effect of existing commercial lubricants on sperm motility. Additionally, 75% of trying-to-conceive couples have an increased incidence of vaginal dryness. This study compared motility parameters for human sperm (n=25 ejaculates) cultured for 30 min in HTF media with HSA (control), to which either 10% KY Jelly; 10% Astroglide; 10% FemGlide (marketed as “sperm compatible”); or 10% Pre~Seed (specifically developed to not harm sperm) were added.

Treatment	% Progressive Motility	VSL (µm/s)	VCL (µm/s)	VAP (µm/s)
Control	100a	53 (2)a	89 (3)a	59 (2)a
KY	62 (6)b	37 (2)b	67 (2)b	40 (2)b
FemGlide	92 (4)c	44 (4)c	79 (3)c	50 (4)c
PreSeed	100 (5)a	51 (2)a	79 (2)c	56 (3)a,c
Astroglide	<5	NA	NA	NA

a,b,c Superscripts show means (SEM) within a column that differ at p<0.05.

Due in part to viscosity change, all lubricants slowed sperm velocity as compared to control medium. However, sperm in Pre~Seed retained motility equivalent to the control over the 30 min of culture, whereas sperm in the other lubricants had decreased motility (p<0.05).

This effect was profound with Astroglide. Placed side-by-side, FemGlide and KY created a distinct barrier whereby sperm in raw semen had difficulty penetrating into the products (photos available). In contrast, sperm moved freely between raw semen and the Pre~Seed.