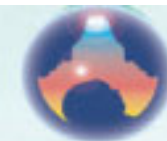


Sperm Quality Parameters



Ideal	Parameters (Ideal)	W.H.O.		Date	Date	Date	Date	Parameters (Ideal)
		1982	2010					
Volume	> 2 ml		≥ 1.5 ml					>2 ml
pH	> 7.5		≥ 7.2					>7.5
Concentration	≥ 350 million/ml	≥100	≥ 15 million/ml					≥ 350 million/ml
Total motility	100%	>50%	≥ 40%					100%
Progressive motility	100%	>50%	≥ 32%					100%
Fast	100%		≥ 25%					100%
Slow	Zero							Zero
Non-progressive, non-motile	Zero							Zero
Normal Sperm	100%							100%
Morphology (ABNORMAL)	Zero	<19.5%	< 4%					Zero
White blood cells	Zero		< 1,000,000/ml					Zero
Anti sperm antibodies	Zero	Zero	Zero					Zero
Immature Sperm cells	Zero	Zero	Zero					Zero
BBT (Anal)	36.7-8 C	N/A	N/A					36.7-8 C
Testicle Temp.	29 – 30 C	N/A	N/A					29 – 30 C