



## SQA-Vision | WHO 6th Edition Reported Parameters Summary

SEMEN PARAMETER	VALUE	DEFINITION
VOLUME	(ML)	The total volume of the entire ejaculate measured during sample prep.
pH	N/A	The pH of the semen sample, tested and reported to the nearest 0.5.
WBC CONCENTRATION	(M/ml)	The concentration of white blood cells (> or < 1) per milliliter of sample.
DEBRIS / ROUND CELLS	N/A	The debris/round cell quantity measured as few, moderate, many, or gross.
CONCENTRATION	(M/ml)	The total number for sperm cells per milliliter of sample. Often called "count."
MOTILITY	(%)	The % of all moving sperm in the sample (rapid + slow + non-progressive cells.)
PROGRESSIVE MOTILITY	(%)	The % of all progressive sperm in the sample (rapid + slow cells.)
RAPIDLY PROGRESSIVE	(%)	The % of sperm that are swimming faster than 25 microns per second.
SLOWLY PROGRESSIVE	(%)	The % of sperm that are swimming between 5 and 25 microns per second.
NON-PROGRESSIVE	(%)	The % of sperm that swimming less than 5 microns per second.
IMMOTILE	(%)	The % of sperm that not moving or are twitching in place.
MORPHOLOGY (NORM.)	(%)	The % of normal sperm based on WHO 6 <sup>th</sup> Edition (Strict) criteria.
VITALITY (LIVE/DEAD)	(%)	The % of live and dead sperm cells in the semen sample.
DNA FRAGMENTATION INDEX	(%)	The % of sperm that have abnormal genetic material. Abbreviated as "DFI."
MOTILE SPERM CONC.	(M/ml)	The number of motile cells per milliliter of sample (count x % motility.)
PR MOTILE SPERM CONC.	(M/ml)	The number of progressive cells per milliliter of sample (count x % progressive.)
RAPID PR MOTILE SPERM CONC.	(M/ml)	The number of rapidly progressively motile cells per milliliter of sample.
SLOW PR MOTILE SPERM CONC.	(M/ml)	The number of slowly progressively motile cells per milliliter of sample.
FUNCTIONAL SPERM CONC.	(M/ml)	The number of sperm with both normal morphology and progressive motility.
VELOCITY (AVERAGE PATH)	(MIC/SEC)	The average speed of the sperm measured in microns per second.
SPERM MOTILITY INDEX	N/A	A general reference parameter that grades quality between 0 and 160.
SPERM NUMBER	(M/ejac)	The total number of sperm in the sample (sperm concentration x volume.)
MOTILE SPERM	(M/ejac)	The total number of motile sperm in the sample (MSC x volume.)
PROG. MOTILE SPERM	(M/ejac)	The total number of progressive sperm in the sample (PMSC x volume.)
FUNCTIONAL SPERM	(M/ejac)	The total number of functional sperm in the sample (FSC x volume.)
MORPH. NORMAL SPERM	(M/ejac)	The total number of morphologically normal sperm in the sample.