



SQA-VISION Automated Results Defined (WHO 5th Edition)

SEMEN PARAMETER	SQA-V TEST NAME	DEFINITION
Sperm Concentration (Count)	SPERM CONC.	Total number for sperm cells per milliliter of sample – this includes live and dead cells.
Total Motility (PR+NP)	TOTAL MOTILITY <PR+NP>	The % of sperm moving in the sample. This includes progressive and non-progressive.
Progressive Motility (PR)	PROG. MOTILITY <PR>	The % of sperm that are moving in a “forwardly progressive” manner.
Non-progressive Motility (NP)	NONPROG. MOTILITY <NP>	The % of sperm that are moving without any forward progression or vigor.
Immotility (IM)	IMMOTILITY <IM>	The % of sperm that are not moving at all and appear completely still
Sperm Morphology (normal forms, %)	MORPH. NORM FORMS, WHO 5th	The % of normal sperm based on WHO 5 th edition (Kruger Strict) criteria.
Motile Sperm Concentration	MSC	The total number of motile cells per milliliter of sample (MSC ÷ Count = % motile)
Progressively Motile Sperm Concentration	PMSC	The total number of progressively motile cells per milliliter of sample
Functional Sperm Concentration	FSC	The number of sperm that are progressively motile and morphologically normal (“champs”)
Velocity (Average path velocity – VAP)	VELOCITY	Average speed of the progressively motile sperm – measured in microns per second.
Sperm Motility Index	SMI	A “quick reference” parameter developed by MES. Anything over 80 = a good sample.
Total Sperm Number	SPERM #	This is the total number of sperm in the sample (sperm concentration x volume)
Total Motile Sperm	MOT. SPERM	This is the total number of motile sperm in the sample (MSC x volume)
Total Progressively Motile Sperm	PROG. SPERM	This is the total number of progressive sperm in the sample (PMSC x volume)
Total Functional Sperm	FUNC. SPERM	This is the total number of functional sperm in the sample (FSC x volume)
Total Morphologically Normal Sperm	MORPH. NORM. SPERM	This is the total number of morphologically normal sperm in the sample.