



## 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 sperm that are moving faster than 5 microns per second.             |
| 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 micros per second.             |
| NON-PROGRESSIVE             | (%)       | The % of sperm that swimming less than 5 micros 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 all progressively motile cells per milliliter of sample.           |
| 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.                  |