

SEMEN ANALYSIS MOTILITY REPORTING UPDATE

Alignment To World Health Organization (WHO) 6th Edition

Updated July 9, 2024 (Initially sent July 5, 2024): New Result Component for Abstinence Period

Effective July 9, 2024, Pacific Diagnostic Laboratories (PDL) will be updating the **SEMEN ANALYSIS (LAB216)** motility reporting to align with the WHO Manual for the Laboratory Examination and Processing of Human Semen 6th edition. The chart provided below outlines the result reporting changes.

REPORTING CHANGE

Result code status	Result Code / Component	Result Component Name	UPDATED WHO 6 TH REFERENCE RANGE	PREVIOUS REFERENCE RANGE	Unit of Measure / Calculation
No change	1811155	Liquefaction Time	≤30	< 30	Minutes
No change	1561944	Viscosity	Normal	Normal	Qualitative
No change	1561937	Semen Volume	> 1.4	> 1.4	mL
No change	1561938	Sperm Count	≥ 16	≥ 20-250	Million/mL
No change	1230001168	pH, Semen	Not Established		pH
NEW	1230019149	Progressive Motility	≥ 30		%
NEW	1230019150	Rapid Progressive Motility	Not Established		%
NEW	1230019151	Slow Progressive Motility	Not Established		%
NEW	1230019152	Nonprogressive Motility	≤ 1		%
NEW	1230019153	Total Motility	≥ 42		% (PR+NP)
NEW	1230019154	Immotility	≤ 20		% (100 – (PR+NP))
NEW	1230019155	Normal Morph WHO 6 th	≥ 4	≥ 2	%
NEW	1230019156	Abnormal Morph WHO 6 th	≤ 96	< 98	%
No change	1510004	Viable	Not Established		% (Reflex if motility < 40%)
No change	1230000766	Non-Viable	Not Established		% (Reflex if motility < 40%)
No change	1230011073	WBC's, Semen	None Seen/HPF	None Seen	WBC/HPF
No change	1230011074	Round Cells, Semen	None Seen/HPF	None Seen	Round Cells/HPF
NEW	1230019159	Abstinence Period	2-7		Days
Deactivate	1239901180	Days Abstinent	2-7		Days
Deactivate	1811153	Motility			
Deactivate	1230001365	Velocity			

Please Note: The order code **SEMEN ANALYSIS (LAB216)** remains the same; this is a result level change. Action *may* be needed for your electronic medical record (EMR) if your system requires result field to be updated.

WHY THIS IS CHANGING

PDL does periodic reviews of reporting guidance as part of our laboratory quality assurance program. The reporting changes align with World Health Organization (WHO) Laboratory Manual for the Examination and Processing of Human Semen 6th edition.

WHO 6th Edition website: [WHO laboratory manual for the examination and processing of human semen](#)

FOR MORE INFORMATION PLEASE CONTACT PDL CLIENT SERVICES AT 805-879-8100