

Result Trends

Results limited to those after Oct 4, 2020. Results found from Apr 19, 2023 - Oct 4, 2025.

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Apr 19, 2023 - Dec 3, 2023 (Table 1 of 2)

Component	Apr 19, 2023	May 17, 2023	Jun 13, 2023	Oct 9, 2023	Dec 3, 2023
TIME OF ANALYSIS	0635	852	857	0855	0805
MORPHOLOGY COMMENT	Amorphous Heads Small Acrosomes Absent Acrosomes Pyriform Heads Neck or Midpiece Defects	Pin Heads Tapered Heads Small Acrosomes Neck or Midpiece Defects	Neck or Midpiece Defects Tail Defects Pin Heads Amorphous Heads Small Acrosomes	Amorphous Heads Small Acrosomes Absent Acrosomes Pin Heads Tapered Heads Neck or Midpiece Defects	Amorphous Heads Coiled Tails Neck or Midpiece Defects Pin Heads Small Acrosomes
NEUTROPHILS					
SPERM PREPARATION	Gentle Wash	Density Gradient	Density Gradient	Gentle Wash	Density Gradient
MEDIUM TYPE	modified HTF with HSA	modified HTF with HSA	modified HTF with HSA	modified HTF with HSA	modified HTF with HSA
MEDIUM LOT NUMBER	CT22EWG10	CT22EWG10	CT22EWG10	CT23EWG06	CT23EWG06
INSEMINATION VOLUME	0.54 mL	0.50 mL	0.57 mL	0.51 mL	0.59 mL
POST-PREP MOTILITY	24 %	57 %	42 %	22 %	21 %
POST-PREP CONC	37.7 m/mL	250.9 m/mL	189.4 m/mL	75.8 m/mL	70.8 m/mL
POST-PREP TOTAL CT	20.4 m	125.5 m	108.0 m	38.7 m	41.8 m
POST-PREP TOTAL MOT	4.9 m	71.5 m	45.3 m	8.5 m	8.8 m
VOLUME Normal Range: Greater than ≥ 1.50 mL	1.70 mL	4.25 mL	4.70 mL	3.15 mL	3.20 mL

Component	Apr 19, 2023	May 17, 2023	Jun 13, 2023	Oct 9, 2023	Dec 3, 2023
VISCOSITY Normal Range: Greater than ≥ 3	1 Low	4	4	3	2 Low
PH Normal Range: Greater than ≥ 7.2	7.6	7.2	7.2	7.2	7.6
MOTILITY Normal Range: Greater than $\geq 40\%$	33 % Low	57 %	51 %	29 % Low	49 %
CONCENTRATION Normal Range: Greater than ≥ 15.0 m/mL	20.0 m/mL	67.6 m/mL	29.2 m/mL	17.7 m/mL	29.3 m/mL
TOTAL COUNT Normal Range: Greater than ≥ 39.0 m	34.0 m Low	287.3 m	137.2 m	55.8 m	93.8 m
TOTAL MOTILE SPERM Normal Range: reference range not established m	11.2 m	163.8 m	70.0 m	16.2 m	45.9 m
NORMAL FORMS Normal Range: Greater than $\geq 4\%$	3 % Low	2 % Low	4 %	4 %	5 %

Mar 15, 2024 - Oct 4, 2025 (Table 2 of 2)

Component	Mar 15, 2024	Apr 10, 2024	May 9, 2024	Aug 9, 2025	Oct 4, 2025
TIME OF ANALYSIS	0815	0730	0738	0815	0810
MORPHOLOGY COMMENT	Amorphous Heads Small Acrosomes Absent Acrosomes Tapered Heads Pin Heads Neck or Midpiece Defects	Amorphous Heads Small Acrosomes Pyriform Heads Pin Heads Neck or Midpiece Defects	Coiled Tails Cytoplasmic Droplets Neck or Midpiece Defects Pyriform Heads Small Acrosomes	Amorphous Heads Small Acrosomes Pin Heads Pyriform Heads Neck or Midpiece Defects Coiled Tails	Amorphous Heads Small Acrosomes Pin Heads Pyriform Heads Neck or Midpiece Defects Tail Defects
NEUTROPHILS					
SPERM PREPARATION	Gentle Wash	Gentle Wash	Density Gradient	Density Gradient	Density Gradient
MEDIUM TYPE	modified HTF with HSA	modified HTF with HSA	modified HTF with HSA	modified HTF with HSA	modified HTF with HSA

Component	Mar 15, 2024	Apr 10, 2024	May 9, 2024	Aug 9, 2025	Oct 4, 2025
MEDIUM LOT NUMBER	CT23EWG06	CT23EWG06	CT23EWG13	CT24EWG09	CT25EWG02
INSEMINATION VOLUME	0.51 mL	0.55 mL	0.69 mL	0.55 mL	0.55 mL
POST-PREP MOTILITY	30 %	17 %	11 %	57 %	43 %
POST-PREP CONC	99.2 m/mL	70.8 m/mL	44.1 m/mL	32.4 m/mL	32.2 m/mL
POST-PREP TOTAL CT	50.6 m	38.9 m	30.4 m	17.8 m	17.7 m
POST-PREP TOTAL MOT	15.2 m	6.6 m	3.3 m	10.2 m	7.6 m
VOLUME Normal Range: Greater than ≥ 1.50 mL	3.40 mL	3.50 mL	2.70 mL	3.60 mL	2.70 mL
VISCOSITY Normal Range: Greater than ≥ 3	3	2 Low	2 Low	2 Low	2 Low
PH Normal Range: Greater than ≥ 7.2	7.6	7.6	7.6	7.6	7.6
MOTILITY Normal Range: Greater than ≥ 40 %	35 % Low	23 % Low	43 %	50 %	48 %
CONCENTRATION Normal Range: Greater than ≥ 15.0 m/mL	22.0 m/mL	16.8 m/mL	33.5 m/mL	29.5 m/mL	53.9 m/mL
TOTAL COUNT Normal Range: Greater than ≥ 39.0 m	74.8 m	58.8 m	90.5 m	106.2 m	145.5 m
TOTAL MOTILE SPERM Normal Range: reference range not established m	26.2 m	13.5 m	38.9 m	53.1 m	69.9 m
NORMAL FORMS Normal Range: Greater than ≥ 4 %	2 % Low	4 %	7 %	3 % Low	3 % Low