

# Guide to interpreting post-thaw straw data



Evaluate all metrics together before making a decision.

	Sexed		Conventional	
	<b>Initial PMC value</b>		<b>Initial % motility</b>	
	<b>2M product</b>	Expect initial PMC > 2.4M/mL i.e. > 0.6M motile/straw <sup>1</sup>	> 22.5%	Good
	<b>Other products</b>	Expect initial PMC > 4.2M/mL i.e. > 1.05M motile /straw <sup>1</sup>	< 22.5%	Check PMC. Bottom decile <sup>2</sup> is PMC=12.4M/ml i.e. 3.1M motile/straw <sup>1</sup>
	<b>SML</b>		<b>SML</b>	
	>120 min	Good	>120 min	Good
	< 60-120 min	Adequate	< 60-120 min	Adequate
	< 60 min	Conduct tank audit <sup>3</sup> and consult supplier for guidance	< 60 min	Conduct tank audit <sup>3</sup> and consult supplier for guidance

For more information, please follow this [link](#).

## Notes:

The PMC value for sexed semen is based on the minimum expected value provided by genetics companies. Guidance may be refined in due course.

(<sup>1</sup>) The conversion from M/ml to M/straw assumes a volume of 0.25ml/straw

(<sup>2</sup>) There is no clear minimal value for PMC in conventional straws. We provide the threshold for the bottom 10% of samples measured as a reference, i.e. the lowest 10% of conventional straws have a PMC of less than 3.1M/straw

(<sup>3</sup>) Use Dyneval's [Tank Audit Tool](#) to assess storage conditions and semen performance. It highlights risks, flags issues, and reinforces best practices to maintain semen quality at all times. Free license on first come first served basis.