

WildAgain Wildlife Rehabilitation Reconstitution Tests – GME

Findings

Based on the described methodology, two lots of GME® were tested, with the results summarized in the inset box at right and more fully displayed below.

Reconstitution efficiency Cluster size < 1,000µm	InterQuartile Mean		
	Resting time		
Product/Water temp.	Instant	8Hr	12Hr
GME 3128G 3258 #06 100F	91.7%	94.8%	94.9%
GME 3128G 3258 #06 160F	80.5%	83.3%	87.4%
GME 1789-1989 100F	87.7%	95.9%	94.4%
GME 1789-1989 160F	94.1%	94.2%	89.1%
100F (average all lots)	90%	95%	95%
160F (average all lots)	87%	89%	88%

In summary, the following observations were noted:

Water temperature used for mixing

It appears that sometime during the last 10 years or so GME® may have undergone some changes in either its formulation or its manufacturing process - though this is only speculation. Ten years ago, WildAgain's reconstitution tests showed better results using a higher water temperature (160°F) when reconstituting into a final formula. The current round of testing no longer supports those earlier findings. Rather, it indicates when using only a warm water temperature (100°F), on average, a better result is achieved.

Resting time after mixing

The prior round of testing showed best results when the formula was mixed and then allowed some period of time to rest, and not used as an 'instant mix'. The current round of testing confirms this earlier finding, and is more pronounced when using the warm water (100°F) temperature. Only a slight improvement is noted when using the hotter water (160°F).

Summary

Based on the test results in these two lots of GME®, best results may be achieved by 1) using warm water (100°F) for mixing, and 2) allowing the mixed formula to rest some period of time after mixing (up to 8-12 hours) prior to feeding.

GME® Reconstitution Efficiency - (cluster size <1,000μm)

