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This letter states that Nortech Labs completed temperature range testing on their new formulation Instant Cold Packs called **InstaKool** on January 12, 2013. Below information provided shows the **InstaKool** product which contains water and a urea base ingredient has met the (ANSI) Z308.1-2203 American National Standard-Minimum Requirement for Cold Packs 5.2.1.6. Tested Cold Packs were activated under normal pressure and showed no leakage.

Requirement to meet standard are as follows: each cold shall be at least 4x5 inches in size and shall reach a temperature between -6.6°C to 4.45°C with 10 seconds of activation. Cold pack shall also maintain a temperature between -6.6°C to 4.45°C for a period of at least 15 minutes.¹

InstaKool Temperature Test:

Size of Pack	°C w/in 10 sec. of activation	°C 5 minutes after activation	°C 15 minutes after activation
* 4" x 6" (Kit size)	-1.76° C	0.8° C	3.35° C
* 5" x 7" (JR size)	-2.47° C	-1.11° C	3.25° C
* 6" x 8 3/4" (LG size)	-3.14° C	-0.29° C	2.7° C

* Instant Cold Packs that were tested are ammonium nitrate-free or hazmat-free.

¹ Dr. Annamalai Selvakumar, Memorial Sloan-Kettering



Nortech Labs, Inc.

Providing green and innovative quality products to the medical, healthcare and cold chain shipping industry for over 50 years.

