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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 20°F to 40°F with 10 seconds of activation. Cold pack shall also maintain a temperature between 20°F to 40°F for a period of at least 15 minutes.<sup>1</sup>

**InstaKool Temperature Test:**

Size of Pack	°F w/in 10 sec. of activation	°F 5 minutes after activation	°F 15 minutes after activation
* 4" x 6" (Kit size)	28.8° F	33.4° F	38° F
* 5" x 7" (JR size)	27.5° F	30° F	37.85° F
* 6" x 8 3/4" (LG size)	26.3° F	31.47° F	36.86° F

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

<sup>1</sup> 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.*

