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This letter states that Nortech Labs completed temperature range testing on their new formulation Instant Cold Packs called **COOL** on January 12, 2013. Below information provided shows the **COOL** product which contains water and urea 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 (-6.6°C to 4.45°C) with 10 seconds of activation. Cold pack shall also maintain a temperature between 20°F to 40°F (-6.6°C to 4.45°C) for a period of at least 15 minutes.¹

COOL Temperature Test:

Size of Pack	w/in 10 sec. of activation	5 minutes after activation	15 minutes after activation
* 5" x 6" (Kit size)	34.34° F / 1.3° C	35.87° F / 2.15° C	39.74° F / 4.3° C
* 5" x 7" (JR size)	34.25° F / 1.25° C	35.78° F / 2.1° C	39.72° F / 4.3° C
* 6" x 8 3/4" (LG size)	34.16° F / 1.2° C	35.6° F / 2° C	39.38° F / 4.1° 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.

