Updated 6/3/2025

**KSU Submission Form for Cold Weather Clothing Manikin Tests**

Please email this form in Word format to [merediths@ksu.edu](mailto:merediths@ksu.edu) each time you send a set of garments for testing.

**1. Company information.** We will email the report and invoice to the contact listed below.

|  |  |
| --- | --- |
| Company name and address: | Contact name:  Email:  Phone: |

**2. Purchase order number for testing:**  List it here or send a PO document (optional).

**Dry manikin test to measure the insulation value and temperature rating for clothing**

**@ $600 = $**

**Hourly charge for GRA to capture and process thermal images @ $39 = $**

**Total = $**

If another company is paying for the test and/or you want the invoice sent to another person, provide contact information here:

**3. Select a test type:** We will do three tests in a row on one sample ($600).

A. Adult cold weather clothing. ASTM F 2732 insulation values and temperature ratings at low activity (2 MET) and high activity (4 MET). *ISO 17025 accredited test*.

using the ASTM F 2732 base ensemble provided by KSU

using another base ensemble. Please list the garments below and provide them.

B. Children’s cold weather clothing. Thermal insulation values and KSU temperature ratings based on different activity levels and children’s ages.

using the IER base ensemble provided by KSU

using another base ensemble. Please list the garments below and provide them.

**Do you want us to calculate the average local thermal insulation value under the cold weather garment? If so, select the following zone groupings you would like to receive data for:**

torso and arms (jackets), torso (vests only)

torso (jackets and vests)

each individual zone

custom (list zone groups here)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Thermal imaging** ($39 per test)  yes  no

**4. Garment letter or number codes:** Give the codes and descriptions for the report here. Indicate clearly if a jacket/pants set should be tested together, or if the jacket/pants should be tested separately. For jackets with detachable liners, indicate whether we test the layers together and/or separately. (See example on instruction sheet.)

**If some of the jackets have hoods, please indicate if we can cut them:**

Test the jackets with the hoods up (hoods will be cut and pinned back together).

Test the jackets with the hoods hanging down or detached.

**5. Return shipping information:** We will use the address above unless you give us other instructions. Please indicate if you want us to use overnight shipping.

|  |  |
| --- | --- |
| UPS Account #:  Federal Express Account #:  DHL Account #:  Donate to a charitable organization | Return shipping address if different from above: |

**6. Export Controls Compliance**

(a) Is the company or the individual named above contracting, working, or acting for or on behalf of a national government?  Yes  No

(b) If you answered ‘Yes’ to 6 (a), briefly describe the nature of the relationship with the national government \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Terms and Conditions**

1. All information related to or arising from this contract shall be treated as strictly confidential. Should KSU be legally required to disclose any such information, the customer will be promptly notified in writing.
2. Pricing is based on KSU schedule of charges. Price may be updated upon receipt to reflect actual number of samples and tests conducted.
3. Customer is responsible for return shipping costs. If the return shipping account is invalid, then the customer will be invoiced to reimburse KSU for return shipping expenses.
4. The ASTM Base Ensemble #2 used by KSU is a deviation from the standard. This deviation has been technically justified and documented. Contact [merediths@ksu.edu](mailto:merediths@ksu.edu) for more information.
5. To submit a complaint, see complaint form available at <https://www.k-state.edu/ier/testing/>.
6. Submission of this document to KSU indicates acceptance of the terms and conditions.