Updated 5/30/2025

**KSU Submission Form for 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 for clothing @ $600 = $**

**Sweating manikin test to measure the evaporative resistance of clothing @ $882 = $**

**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, please provide contact information here:

**3. Select a test type:**

A. ASTM F 1291 for measuring the insulation value of an **adult** clothing system. *ISO 17025 accredited test.* ($600)

B. Modification of ASTM F 1291 for measuring the insulation value of a **child** clothing system. *There is no manikin standard for children’s clothing. We follow the same basic principles in ASTM F1291, modified for a child size manikin (boy’s size 8).* ($600)

C. ASTM F 2370 for measuring the evaporative resistance of an adult clothing system. Only available for adult clothing. ($882)

**Local Values.** Do you want us to provide total local insulation and/or evaporative resistance values for a group of body zones in addition to the values for the whole body?  yes  no

Specify the body parts (e.g., torso covered by a vest)? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Thermal imaging.** Do you want us to provide thermal images of the ensemble on the manikin? ($39 per test)  yes  no

**4. Garment letter or number codes:** Give the codes and descriptions for the garments for the report here or send the information as a separate attachment. Indicate which garments are in the base ensemble and which garments are the experimental ones for the tests. If a clothing system has a hood, hat, or helmet, we will have to cut it to get it around the hook in the manikin’s head. In addition, please provide the necessary dressing instructions. For example, which shirt tails get tucked into which layer of pants?

**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 | 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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**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. To submit a complaint, see complaint form available at <https://www.k-state.edu/ier/testing/>.
5. Submission of this document to KSU indicates acceptance of the terms and conditions.