

2024 Fabric Damage Proficiency Test

FTS-24-FD Manufacturer's Information

The Submission Deadline for this test was November 22, 2024

The test was manufactured by FTS at the FTS Laboratory Facility (127 W. Grand River Avenue, Williamston, MI 48895) and all activities were coordinated by Rebecca Smith (rsmith@forsci.com), Proficiency Test Program Manager. Ms. Smith is also authorizing the release of this report. This is the manufacturer's information issued on 12/9/24. FTS considers all reports confidential and does not release information regarding participant's results without authorization from that participant.

Manufacturer's Information

A pair of Fruit of the Loom® underwear (50% Cotton/50% Polyester, Size 14, UPC 9442202150) was utilized to prepare all items. Underwear came in solid or striped pattern. The underwear were laundered three times completely (washed and dried with other laundry items) prior to implementing damage.

Area 1 was produced by using the blunt end of a Sharpie marker and poking it through the front left side of the underwear. After, the hole was manually torn to produce a tear that measured ~3/4". The resulting damage displayed frayed yet organized edges, consistent with tearing.

Area 2 was produced by manually breaking the seam thread on the right hip of the underwear. The seam was manually pulled apart producing a ~1/2" seam separation.

Area 3 was produced by making a ~1/2" incision to the front left opening of the underwear, through the bottom seam, using a scalpel. To extend the damage from the cut, the area was torn, so the total damage (cut and tear) measured ~1". The resulting damage displayed both frayed and sharply cut edges, consistent with both a tear and a cut.

Area 4 was produced by first making a ~1/4" incision to the front of the underwear, using a scalpel. A sharply cut edge with no associated tearing was present.

Each damaged area was circled with a permanent marker and numbered. All damaged edges were photographed after preparation. The underwear was labeled and packaged into a 6" x 9" manila envelope, sealed and labeled per FTS guidelines.