Tips on Wearing Lab Coats

- Always ensure lab coat fits properly.
- Wear appropriate clothing under your lab coat, including long pants and closed-toe/heel shoes. Roll up long sleeves to prevent contamination if necessary. Wear personal clothing that is made of natural rather than synthetic fibers (e.g., cotton jeans vs. Lycra leggings) if working with flammable liquids or open flames.
- Fully button/snap the lab coat and wear in conjunction with other PPE, such as eye protection and gloves, when deemed necessary per your risk assessment.
- Lab coats provide moderate protection against chemical exposure, but may degrade over time. Replace if heavily soiled/contaminated or visibly degraded.
- Immediately remove and dispose of as hazardous waste if grossly contaminated.

Lab Coat Selection Guide

**Flame Resistant, Nomex®**
Nomex® is a meta-aramid synthetic fiber that provides the highest level fire protection for a lab coat. Its protection will not diminish over repeated washes. Appropriate for protecting against:

- Open flames
- Electrical arc flash hazard
- Extreme fire hazard (e.g., large volumes of flammable materials)
- Organometallic compounds, metal hydrides, alkali metals, or other materials that ignite on contact with air (pyrophoric) or moisture

**Flame Resistant, Treated Cotton**
Cotton lab coats that are treated with flame resistant material provide a good balance of protection from chemicals, and low-to-medium fire risk procedures.

- Not appropriate for use with pyrophoric materials. Must use Nomex® (see above)
- Appropriate for limited work with well-controlled open flames (e.g., bunsen burner)
- Appropriate for work with solvents and other flammable liquids
- The flame retardant properties of the coat may decrease after frequent laundering; replace according to manufacturer recommendations

**Standard Cotton**
Coats made from 100% cotton are not as fire resistant as Nomex® or treated cotton, however, unlike synthetic blend coats, the cotton coat will not melt and adhere to the wearer.

- Appropriate for use when working with chemicals, radioactive materials, or physical hazards, but only where risk of fire is low
- Flammable liquids - only appropriate for use with minor volumes of flammable materials under low risk conditions (e.g., undergraduate teaching labs)

**Fluid Resistant**
Barrier coats are made from 100% polyester and prevent fluid penetration.

- Appropriate for use when working with biological materials, bodily fluids, blood, blood-borne pathogens, tissue, cell lines, microbial cultures, and other potentially infectious materials.
- Polyester coats will readily burn and melt, and should never be used with pyrophoric substances, flammable liquids, or around open flames (e.g., bunsen burner)
Visit the Lab Coat Services web page to learn about the laundering service. To launder lab coats by Angelica, the lab coats must have Angelica barcodes (see example at right). The barcodes have the following information encoded: Principal Investigator; Department; School; Building Code; Lab Room; PU/DO location (UPC or HSC); and Angelica account number.

**Step 1**

Drop soiled, Angelica-barcoded lab coat in soiled lab coat locker at one of the **UPC** or HSC Pick Up locations.

Lab coats that do not have an Angelica barcode will not return from the laundering plant.*

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*Without a barcode to identify the owner, soiled lab coats may not return from the laundering facility. Each lab coat will need a completed Angelica Repair Tag see illustration below).

Page 2 of the New Lab Coat Purchase Fact Sheet details steps to have lab coats barcoded.

Additionally, research groups relocating to another building will need to have their lab coats re-barcoded to ensure that the lab coats return to that building or a convenient PU/DO location (UPC or HSC) nearby.

**Questions?**
Contact EH&S at 323.442.2200 or EHS@usc.edu

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**Step 2**

Soiled lab coats are picked up weekly and washed at laundering facility.

**Step 3**

Lab coats are returned to Drop Off locations weekly

**NOTE:** If coats do not return, contact Angelica Customer Care at 888.293.2100

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keeat least one lab coat available for use at all times.

**NOTE:** If coats remain in locker for over a week, contact Angelica Customer Care at 888.293.2100

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*Contact EH&S at 323.442.2200 if unsure of Pick Up/Drop Off location

**Contact EH&S at EHS@usc.edu if unsure**