



Isolation gowns and barrier lab coats

Formula conditions: Washer/washer extractor, open pocket with controls for obtaining a requested temperature

Water quality: Soft water (zero grains hardness); low to moderate alkalinity (0–100 ppm @Na₂O); no iron in water

Wash conditions: Steam for temperature, cold temp.: 60 °F; hot temp: 150–160 °F; loading: 90–100% of capacity

Water levels: Low: 0.5 gallon total water/lb.; high: 0.65 gallon total water/lb.

Normal wash

	Operation	Wash temp °F	Wash time	Water level	Approx. pH	Quantity fl. oz/cwt
1	Flush	150 °F	5 min.	Low		
2	Break	150 °F	9 min.	Low	10.8–11.2	6–8 (Alkali), 4 (Detergent)
3	Rinse	150 °F	10 min.	Low		
4	Rinse	150 °F	7 min.	High		
5	Rinse	110 °F	7 min.	High		
6	Sour	90 °F	5 min.	Low	5.5–6.5	1–2 (Sour)
7	Extract		3 min.			

Finished fabric condition: pH 5.5–6.5

Bleach

Do not bleach—may cause damage to barrier properties

Normal

Tumble dry: Max 160 °F

Do not over dry. Can lead to melting, hardening, sheen, static, and permanent creasing

Iron

Do not flat-work iron

All products:

Wash prior to use

Fabric softeners not recommended; softeners may inhibit the barrier properties

A thorough rinse is essential to remove all surfactants; residual surfactants may adversely affect the barrier properties

Chemicals:

Quantity will vary with machine size and type

Confirm with chemical supplier for correct quantity