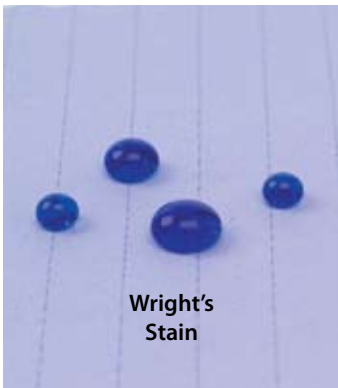


**DenLine Protection Plus®**  
is available in  
4 color choices



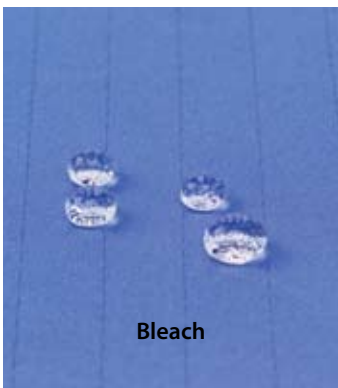
Discoloring  
Solution

**White**



Wright's  
Stain

**Ceil Blue**



Bleach

**Royal**



Iodine

**Emerald Green**

# DENLINE Protection Plus+ Apparel

Designed to assist Healthcare workers who have potential for splash and spray of blood, body fluids or chemicals, and subject to OSHA Directive(s) 29 CFR 1910 and OSHA Enforcement Procedure(s) CPL 02-02.069.

## Suitable Applications

- Anatomic Pathology
- Blood Collection
- Radiology
- Clinical Laboratory
- Blood Bank
- General Dentistry
- Testing Laboratory
- Dialysis
- Periodontics, Restorative/Implant Dentistry
- Research Laboratory
- Hematology
- Oral & Maxillofacial Surgeons
- Chemistry
- Phlebotomy

## Designed for Employee Safety

### Tested Splash & Spray Resistant

Fabric Resistant to **all** Aqueous Fluids (blood, bleach, iodine, etc.) through 225 Hot Water Commercial Washes.

Meets Level 2 Liquid Barrier Performance specified in AAMI PB70\*

- Water Resistance: Hydrostatic Pressure Test (AATCC 127-1998)  
Results > 300.0 mm through 225 commercial wash and dry cycles.
- Impact Penetration; (AATCC 42)  
Results < 1.0 gram weight change

\* AAMI PB70 – Liquid Barrier Performance and Classification of Protective Apparel and Drapes Intended for Use in Healthcare Facilities, developed by the Association for the Advancement of Medical Instrumentation.

**View Protection Level Provided from Aqueous/Non-Aqueous Fluids/Liquids based on User Observations**

### Hot Water Wash (160° F / 71° C)

Hot water disinfects garment without the use of bleach. Garment may be autoclaved (274° F / 135° C).

- Meets Centers for Disease Control and Prevention (CDC) recommendations for processing and disinfecting medical linen.
- Hot water helps remove body oils which have potential to yellow fabric, particularly around the neckline.

### Tapered Sleeves with Spun Woven Polyester Cuffs

Tapered sleeves reduce accidental spills when reaching vs. rolled sleeves and open cuffs that catch on things. With the cuffs over-gloved, the pathway for fluids to reach the employee's forearm under the sleeve is eliminated.

### Variety of Styles... Sizes for All Employees

Eleven Styles from which to choose, and select styles available from 2XS to 6XL.

Full-length Lab Coats 39.0" and 41.0" lengths. Lab Jackets in 31.5" and 34.0" lengths.

**Hydrostatic Pressure** Suter Rating AATCC 127-1998  
The resistance of the fabric to the penetration of water under hydrostatic pressure. Hydrostatic pressure is the force distributed over an area exerted by water. The higher the test result (expressed in mm), the greater the resistance to fluids passing through the material under pressure.  
Note: The hydrostatic rating of a material is the inverse to air permeability...the greater the hydrostatic rating, the less the air permeability and comfort of the coat.

**Impact Penetration** AATCC 42  
Dynamic Test used to measure the ability of the fabric to withstand impact from water.



# Designed for Employee Comfort

## Breathable Material for User Comfort

- Air Permeability tested under ASTM D-737-96.
- Air flows through the fabric at 15.4 Cu. Ft./Min., comparable to a Polyester/Cotton Blend.

### Air Permeability

ASTM D 737-1996

The rate of air flow through textile fabrics, measured in cu. ft. of air that passes through the fabric per minute. The greater the cu. ft. air flow, the greater the user comfort.

## Designed Anti-Static

The black carbon filaments woven throughout the garment dissipate static emanating from all surfaces (front and rear panels, as well as arms) of **Denline Protection Plus®** apparel... preventing false instrument readings, as well as damage to computers and x-ray film.

- Surface Resistivity measures  $10^9$  using Test Method 76.
- Carbon fibers evenly spaced across the width of the fabric provides a controlled discharge of static electricity.
- Static Decay <.01 sec. using Test Method FTMS 4046-101C.

### Surface Resistivity

Test Method 76

The surface resistance to static electricity. Measured at 65 degrees F with 20% and less humidity. The lower the test result (i.e.,  $10^7$ ), the greater the static resistance of the material. The higher the test result (i.e.,  $10^{12}$ ), the lesser amount of static control. Desirable test result scores for static control range from  $10^7$  to  $10^{10}$ .



## Designed for a 200+ Wash Life (Industry Exclusive)

### Durable Fabric Maintains Strength Over Wash Life of Garment

- Tested to ASTM D 5034-1995 Fabric Break Strength tested 180.8 lbs. when new, about 2.2 to 3.5 times the strength of Polyester/Cotton.
- After 225 hot water commercial wash and dry cycles, the fabric tested 174.1 lbs., a negligible 3.7% loss of strength.

	Rated Maximum Washes																					
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	
Poly/Cotton					40 – 70 Range																	
Typical Fluid Resistant (100% Poly)								70 – 100 Range														
DenLine Protection Plus®	Tested Through 225																					

### Stain Resistant Fabric

- Tested to AATCC 130-2000. Rated top score of 5 (No Stains) after 225 Hot Water Commercial Washes.
- Fabric resistant to stains from blood, bleach, betadine, hydrogen peroxide, fixer and developer, and all aqueous laboratory stain agents (Wright's Stain, Alcian Blue, Brilliant Blue, Gram Iodine, Hematoxylin, etc.).

### Reinforced Pockets (Select Styles)

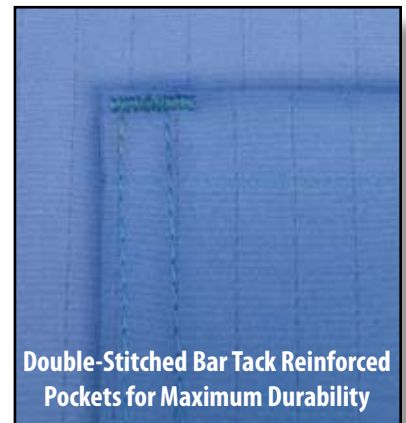
- Double-Stitched Pockets provide extra strength for heavy loads.
- All Pockets "Bar Tack" Reinforced in the upper corners to prevent pockets from coming off.

### Durable Cuffs

- Spun Woven Polyester Cuffs tested to AATCC 143-2001.
- Tested as being durable with minimal pilling after 225 wash cycles. All color cuffs are stain and bleach safe. Comfortable "cotton-like" feel.

### E-Z Snap Stainless Steel Closures (Lifetime Guaranteed)

- High tolerance snaps release with a light pull force to minimize stress on the fabric. Stainless material withstands exposure to chemicals during commercial washes.



Double-Stitched Bar Tack Reinforced Pockets for Maximum Durability

**Designed to be 25% to 50% Lower Cost than Cotton/Polyester or 100% Polyester Lab Coats over the Life of the Garment(s).**