Policing and Corrections

While essential workers work to protect society, Pathene™ is working to protect Police Officers, Correctional Officers, Staff and clients from harmful bacteria in their work environment.

Clean

Disinfect

Protect

- **Our revolutionary 3 step process CLEANS visible dirt, DISINFECTS to kill viruses (including COVID19) and bacteria that are not visible to the naked eye, and PROTECTS by inhibiting the growth of bacteria, mold, mildew, algae and fungus on the surfaces between cleaning periods.**
- **Meaning you're always protected despite your cleaning intervals.**
- **It maintains a protective coating for up to 3 months**
- **Without a micro-biostatic antimicrobial coating you're simply cleaning the surface periodically and it is immediately unprotected after application. Hosting and transmission of germs including the growth of bacteria, mold, mildew, algae and fungus, can occur as soon as the surface is utilized.**
- **PMRA approved water-based micro-biostatic antimicrobial coating.**
- **Viral Efficacy Testing is available upon Request**

Benefits of Pathene™
- Unique bound technology
- Long-term residual protection
- Protection for porous or non-porous surfaces
- GREEN - does not leach or deplete like nano silver
- Efficacy proven through independent testing
- SAFE - uses no poison or heavy metals like nano silver
- Mechanically killing bacteria means Pathene™ technology cannot create super bugs
- Approved textile preservative
- Pathene™ Protection can compliment routine cleaning already in place and make those cleanings easier.
- Water-based product suitable for any application (Cells, Offices, Police and Correctional Vehicles, Handcuffs, Uniforms)
- Electrostatically Sprayed Application ensures ALL surfaces are protected.

Get your free quote today by contacting applications@pathene.com

Keeping Police Officers and Correctional Officers safe from Harmful Bacteria

Policing and correctional systems face unique challenges for infection control due to crowding, close contact, shared quarters, decreased cleanliness and exposure to open wounds. Bacteria thrive in these conditions and pose a threat of illness spreading.

Not only can infections spread among inmates, but officers and staff often come in contact with surfaces that are ideal for microbial growth and contamination. Testing for infectious diseases in prisons and jails can help reduce the spread of these dangerous microorganisms.

One common bacterial illness in Policing and Corrections is known as Staphylococcus Aureus. Staph. infections are most commonly spread through coming in contact with a contaminated wound or infected skin. Staph. can be difficult to treat as many strains are resistant to medications. Staph. infections have been known to impact inmates, officers, and staff in the correctional system in Canada and the USA.

Three Los Angeles police officers who work at a station in the San Fernando Valley have been infected with the superbug known as MRSA.

CBS2 reports Tuesday the outbreak started a few days ago at the West Valley station in Reseda and possibly resulted from interacting with homeless people.

MRSA is an antibiotic-resistant Staph bacteria.

Microorganism	Test surface	Test	Result (%reduction unless indicated otherwise)
Pseudomonas aeruginosa	Glass	AOAC 961.02	No growth after 48H
	Bleached sheet	AATCC 100-1993	94.89% (day 7)
	Unbleached sheet	AATCC 100-1993	99.99% (day 7)
	Cotton/poly	AATCC 100-1993	75.71% (day 7)
Staphylococcus aureus	Glass	ASTM E1054	99.99%
	AOC Resin Panels	ASTM E1054	68.02% (90.83% inhibition)
	Filter material	AATCC 100-1993	99.99%
	ABTECH (smart sponge)	AATCC 147-1993	99.99% (99.99% inhibition)
	Bleached sheet	AATCC 100-1993	99.90% (day 7)
	Unbleached sheet	AATCC 100-1993	99.99% (day 7)
	Cotton/poly	AATCC 100-1993	99.99% (day 7)
	Carpet swatch	AATCC 100-1993	100%
	All cloth challenge fabrics	AATCC 100-1993	53.30% (72.00% inhibition)
	Cotton socks after 50 wash-dry cycles	AATCC 6538	99.7%
	Polypropylene, polyester, rayon	AATCC 100-1993	99.99%
Escherichia coli	Cotton	AATCC 100-1993	99.93% (99.87% inhibition)
	Filter materials	AATCC 100-1993	99.00%
	Bleached sheet	AATCC 100-1993	98.36% (day 7)
	Unbleached sheet	AATCC 100-1993	99.99% (day 7)
	Cotton/poly	AATCC 100-1993	99.99% (day 7)

Pathene™ provides protection from Staphylococcus Aureus and numerous other bacteria. Studies conducted at Ryerson University by Dr. Foucher and Dr. Wolfaardt demonstrate the efficacy of Pathene™ against Staphylococcus and other bacteria including E Coli.

Table 2.3.3: Percent reduction of the bacteria when comparing bacteria recovered from the inoculated test and the bacteria recovered immediately before incubation. A negative percent reduction indicates growth during the inoculation period.

S. aureus	Cotton		Polyester	
Pathene 500	Dipped	Sprayed	Dipped	Sprayed
	99.34	98.66	99.30	98.92

K.pneumoniae	Cotton		Polyester	
Pathene 500	Dipped	Sprayed	Dipped	Sprayed
	99.95	99.88	99.99	99.91

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