

# The World's First Reusable Bacteria-Resistant Dry Wipe



Noam Urim, a global leader in the manufacture of needle-punched nonwoven fabrics, and Cupron, a pioneer in the development of proprietary copper-impregnated fibers, have partnered to produce MicrobiFix® – a reusable viscose/copper-fiber dry wipe with long-lasting bacterial resistance.

MicrobiFix® dramatically reduces bacteria and odor buildup, making it the ideal cleaning wipe for

Hospitals and clinics



Convalescent rooms



Eldercare facilities



Kitchens



General household cleaning



## MicrobiFix® Benefits



99.9% antibacterial/antifungal efficacy



Long-lasting action, unaffected by repeated usage or laundering



Non leaching



Dramatically reduces odor caused by bacterial buildup



The viscose/copper-fiber blend can be implemented in other products prone to bacterial buildup, such as floor mops, kitchen mats, bathroom mats, and more

## Remarkable Antibacterial Properties of Copper Implemented by Cupron

Throughout history copper has been known for its antibacterial and antifungal qualities. Now rigorous scientific studies have shown that copper kills 99.9% of the fungi, bacteria and viruses with which it comes into contact. Cupron has developed a proven, patented technology for permanently impregnating copper particles into fibers. Cupron's fibers maintain their antibacterial and antifungal efficacy over the entire life of the product in which they are used. Conclusive studies have demonstrated that even repeated industrial laundering has no impact on the antibacterial effect.

## Specifications



### Material

Needle punch nonwoven dry cloth composed of viscose, Cupron fiber, bonding agent



### Color

Flexible



### Dimensions

MicrobiFix® wipes can be converted in a variety of sizes



### Packaging

Bulk or private label

## Independent Lab Test Results

Fabric	Test Bacteria	Staphylococcus	E.coli	Salmonella
	Initial bacterial inoculum (CFU/ml)	2.8x10 <sup>5</sup>	2.8x10 <sup>5</sup>	2.4x10 <sup>5</sup>
	Incubation time	24 hours		
Control	Final bacterial titer (CFU/ml)	1.4x10 <sup>7</sup>	2.8x10 <sup>8</sup>	3.0x10 <sup>7</sup>
	Bacterial growth (Log)	+1.7	+3.0	+2.1
MicrobiFix®	Final bacterial titer (CFU/ml)	5.6x10 <sup>3</sup>	7.0x10 <sup>3</sup>	1.9x10 <sup>4</sup>
	Bacterial reduction (Log)	-1.7	-1.6	-1.1
	MicrobiFix® antibacterial activity value	3.5	4.7	3.2
	MicrobiFix® percent reduction as compared to control	>99.9%	>99.99%	>99.9%

### About Noam Urim

Noam Urim is a leading manufacturer of needle-punched nonwoven fabrics, offering a full range of products for diverse industries and applications: finished wipes and rolled fabrics of different types such as dry cleaning wipes, soaped sponges for hygienic medical care, geotextiles, air filtration, breathers for composite materials, bedding, wadding and insulation. Noam Urim's experienced R&D team also works with customers to provide tailor-made products and solutions.

### About Cupron

Cupron, Inc. is a copper-based antimicrobial technology company that harnesses the unique properties of copper for healthcare, consumer, industrial, and military applications. Cupron embeds specified copper compounds in select polymers that enable finished products to deliver the desired impact. Unlike topically-applied solutions, Cupron's durable embedded copper technology does not wash or rub off. Cupron's patented and proprietary embedded copper technology has earned multiple, unique public health claims from the US Environmental Protection Agency (EPA), and additional innovations are in development.