

# ANTIBACTERIAL SLEEVES

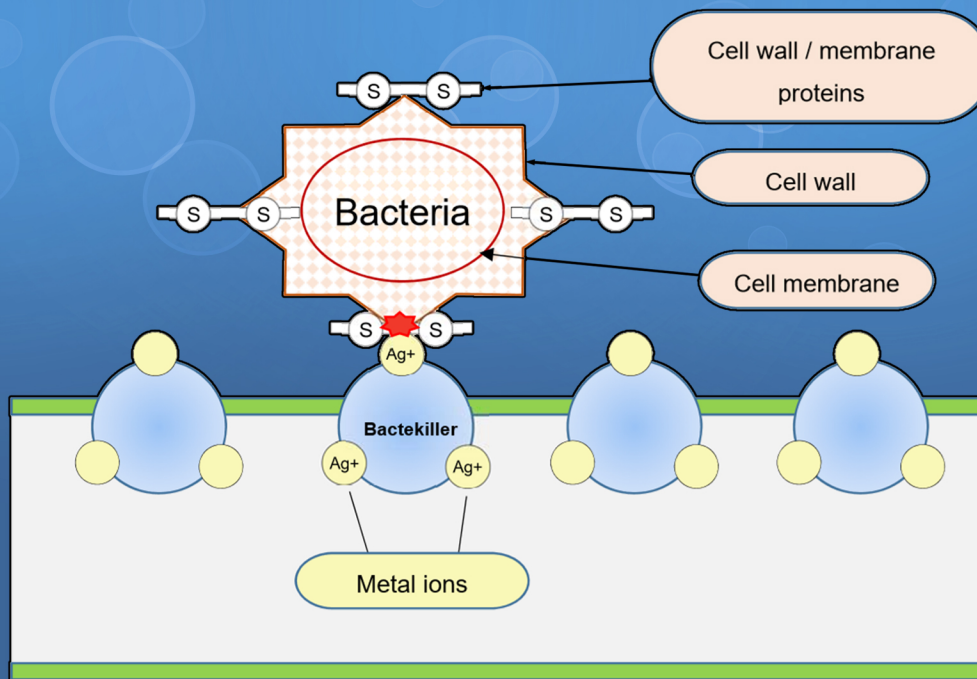



**FOR INQUIRY CALL:**  
**1-800-88-HAKKO**

HAKKO's anti-bacterial sleeves prevent bacteria growth on surfaces where operators hold the soldering iron, thus providing a clean and ergonomic handpiece to work with.

# Antibacterial Mechanism

Silver ion attacks the disulfide bonds (-S-S-), hydrogen bonds, thiol groups (-SH), etc. of proteins that compose microorganisms and alters them. As a result, the cell membrane of the microorganism becomes damaged, which causes the metabolic function to be inhibited due to the inactivation of the enzyme, killing the microorganism.



Type of bacteria 	Unprocessed sleeve		Antibacterial processing sleeve
	Average of logarithmic value of viable cell count immediately after inoculation	Average of logarithmic value of viable cell count after 24 hours	Average of logarithmic value of viable cell count after 24 hours
Staphylococcus aureus	4.19	4.46	0.40
E. coli	4.30	6.06	0.40

**Caution:** When the sleeve becomes dirty the antibacterial effect is lost, wipe well before use.

## Applicable Products



FX-100	FX-1001	Sleeve (B5006, B5007, B5008)
	FX-1002 (Micro)	Sleeve (B5179, B5180)
FM-203 FM-206	FM-2026	Sleeve (B2765D, B2768D, B2769D)
	FM-2027	Sleeve (B3216, B3217, B3218, B3219, B5259)
FX-951	FM-2030	Handle cover
	FM-2031	
FX-801	FX-8002	Handle cover