

Table III: Reduction in the protein recovered and density of *Staphylococcus aureus* ATCC 6538 under dirty conditions recovered from internal components of six contra angle dental handpieces (DHPs) in each of six different washer-disinfector dental modules following washer disinfection relative to inoculated DHPs not subjected to washer-disinfection

DHP site		Log Reduction in Bacterial Count^a (+/- Standard deviation)	Percentage protein reduction^a (+/- Standard deviation)
Module 1 Position 10	Head	5.86 (0.1)	99.63 (0.2)
	Channels	5.37 (1.5)	94.42 (5.7)
Module 2 Position 10	Head	5.36 (0.7)	99.76 (0.2)
	Channels	5.33 (0.8)	94.10 (6.5)
Module 3 Position 10	Head	5.53 (0.8)	99.56 (0.3)
	Channels	5.65 (0.3)	95.12 (5.4)
Module 4 Position 10	Head	5.37 (1.1)	99.64 (0.2)
	Channels	5.00 (1.4)	93.83 (7.5)
Module 5 Position 10	Head	5.34 (0.9)	99.64 (0.3)
	Channels	5.11 (1.0)	94.10 (6.8)
Module 6 Position 10	Head	5.16 (1.4)	99.62 (0.3)
	Channels	5.07 (0.9)	95.03 (5.1)

^aBacterial recovery and protein data shown for channels represent the average recovery data from both air and water channels for each DHP tested with each challenge microorganism in three separate experiments. Bacteria recovery data from heads includes bacteria recovered from the DHP head, press button plate and head gear of each DHP (see Figure 1).