

Self-assembled antibacterial coating by N-halamine polyelectrolytes on cellulose substrate

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SUPPORTING INFORMATION

Table S1 Chemical composition of artificial sweat

Chemical Compositon	Concentration (%(w/v))			
	AATCC pH 4.3	ISO pH 5.5	ISO pH 8.0	EN pH 6.5
L-histidine monohydrochloride monohydrate (C ₆ H ₉ O ₂ N ₃ • HCl • H ₂ O)	0.025	0.05	0.05	-
Sodium chloride (NaCl)	1.00	0.50	0.50	1.08
Disodium hydrogen orthophosphate dodecahydrate (Na ₂ HPO ₄ • 12H ₂ O)	-	-	0.50	-
Sodium dihydrogen orthophosphate dihydrate (NaH ₂ PO ₄ • 2H ₂ O)	-	0.22	-	-
Disodium hydrogen orthophosphate anhydrous (Na ₂ HPO ₄)	0.10	-	-	-
Lactic acid (88%)	0.097	-	-	0.12
Urea	-	-	-	0.13

Table S2 Evaluation criteria of scores for erythema and edema

Stimulus response	scores
Erythema	
No	0
Slight erythema (narrowly seen)	1
Moderate erythema (obviously seen)	2
Severe erythema	3
Fuchsia erythema with slight eschar	4
Edema	
No (narrowly seen)	0
Moderate edema (obvious eminence)	1
Severe edema (eminence in 1 mm with obvious outline)	2
Serious edema (eminence in more than 1 mm with expansion)	3
Highest score	4

Table S3 Evaluation criteria of stimulus intensity

Score	Grade
0-0.49	No stimulation
0.5-2.99	Slight stimulation
3.0-5.99	Moderate stimulation
6.0-8.0	Serious stimulation