

Supplementary Materials: The Effect of Select Personal Care Ingredients and Simple Formulations on the Attachment of Bacteria on Polystyrene

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Table S1: List of ingredients and suppliers used in this study.

INCI name (Trade name)	% w/w	pH	Supplier
acrylates/stearate-20 methacrylate copolymer (Aculyn™ 22)	2	6.8	The Dow Chemical Company (Midland, MI)
acrylates/vinyl neodecanoate crosspolymer (Aculyn™ 38)	1	6.5	The Dow Chemical Company (Midland, MI)
ammonium acryloyldimethyltaurate/VP copolymer (Aristoflex® AVC)	0.5	7.1	Clariant International (Muttens, Switzerland)
methylcellulose (Benecel™ A4C)	1	7.9	Ashland Inc. (Covington, KY)
hydroxypropyl methylcellulose (Benecel™ E-15)	1	ND ¹	Ashland Inc. (Covington, KY)
hydroxypropyl methylcellulose (Benecel™ K100 LV)	1	8.0	Ashland Inc. (Covington, KY)
cellulose gum (Aqualon™ Cellulose Gum)	2	7.1	Ashland Inc. (Covington, KY)
acacia senegal gum ² (TIC Prehydrated® Gum Arabic BEV-101 GR Powder)	4	6.1	TIC Gums, Inc. (Belcamp, MD)
hydroxypropylcellulose (Klucel™ ECS)	0.6	6.5	Ashland Inc. (Covington, KY)
hydroxyethylcellulose (Natrosol™ 250 GR)	1	6.7	Ashland Inc. (Covington, KY)
hydroxyethylcellulose (Natrosol™ 250 LR)	1	6.1	Ashland Inc. (Covington, KY)
VP/dimethylaminoethylmethacrylate/polycarbamyl polyglycol ester (Pecogel® GC 310)	5	8.3	Phoenix Chemical, Inc. (Calhoun, GA)
VP/polycarbamyl polyglycol ester (Pecogel® HS-12)	5	7.9	Phoenix Chemical, Inc. (Calhoun, GA)
VP/dimethiconylacrylate/polycarbamyl/polyglycol ester and VP/polycarbamyl polyglycol ester (Pecogel® HS-501)	5	8.0	Phoenix Chemical, Inc. (Calhoun, GA)
propylene glycol alginate (Protanal® Ester BV-3750)	4	3.7	FMC Specialty Chemicals Group (Newark, DE)
glycerin; acrylates copolymer; VP/polycarbamyl polyglycol ester; hydrolyzed sesame protein PG-propyl methylsilanediol (SesaFlash™)	5	8.6	SEPPIC Inc. (Fairfield, NJ)
polyoxyethylene-polyoxypropylene block copolymer ² (UCON™ TPEG-500)	2.5	5.2	The Dow Chemical Company (Midland, MI)

¹ ND, not determined.

² INCI name not available, the manufacturer's chemical description is provided.

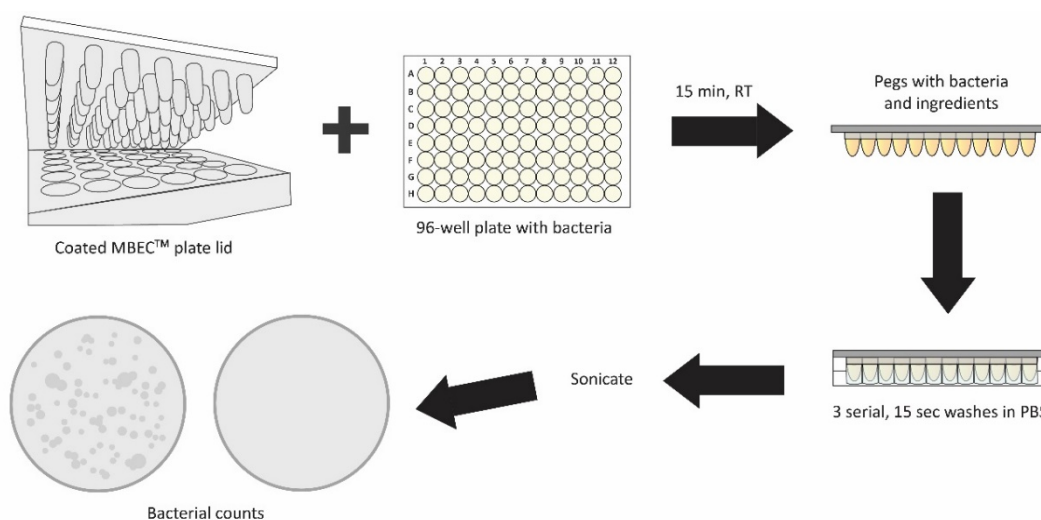


Figure S1: Schematic of the workflow.



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