

## Data Dictionary

Field Name	Field Definition
Exposure	EpiDerm tissues were exposed to acetone vehicle (0% Triclosan) or triclosan (0.05%, 0.1%, or 0.2% Triclosan)
No Exposure	EpiDerm tissues were not exposed
0% Triclosan	EpiDerm tissues were exposed to acetone (vehicle)
0.05% Triclosan	EpiDerm tissues were exposed to 0.05% Triclosan
0.1% Triclosan	EpiDerm tissues were exposed to 0.1% Triclosan
0.2% Triclosan	EpiDerm tissues were exposed to 0.2% Triclosan
Experiment	Two independent experiments were performed, each with 3 EpiDerm tissue inserts; data from each experiment is differentiated by experiment 1 or 2
Time	EpiDerm tissues were exposed once for 6 hours (6h), 24 hours (24h), or 48 hours (48h) or were exposed for 1 day (1d), 2 days (2d), 3 days (3d), 4 days (4d), or 5 days (5d)
6h	EpiDerm tissues were exposed for 6 hours (6h)
24h	EpiDerm tissues were exposed for 24 hours (24h)
48h	EpiDerm tissues were exposed for 48 hours (48h)
1d	EpiDerm tissues were exposed for 1 day (1d)
2d	EpiDerm tissues were exposed for 2 days (2d)

3d	EpiDerm tissues were exposed for 3 days (3d)
4d	EpiDerm tissues were exposed for 4 days (4d)
5d	EpiDerm tissues were exposed for 5 days (5d)
Endpoint	Lactate dehydrogenase (LDH), RNA Yield, FLG, FLG2, IVL, LOR, TJP1, OCLN, KRT10, KRT14, CDH1, TSLP, S100A8, IL1A, IL1B, TNF, CXCL1, CXCL2, CXCL8, IL1A protein, CXCL8 protein, IL36 protein, VEGF protein, EGF protein, Permeability, Epidermal Thickness
LDH	Lactate dehydrogenase (LDH) release in culture media is a measurement of cytotoxicity; fold change in fluorescence intensity compared to vehicle control (0% Triclosan)
Value	The output number associated with each endpoint; each row indicates a separate EpiDerm tissue insert
RNA Yield	RNA yield in EpiDerm tissues following exposures, ng/ $\mu$ l
FLG	Filaggrin (FLG) gene expression following exposures; fold change in gene expression compared to vehicle control
FLG2	Filaggrin 2 (FLG2) gene expression following exposures; fold change in gene expression compared to vehicle control
IVL	Involucrin (IVL) gene expression following exposures, presented as fold change in gene expression compared to vehicle control
LOR	Loricrin (LOR) gene expression following exposures; fold change in gene expression compared to vehicle control
TJP1	Tight junction protein 1 (TJP1) gene expression following exposures; fold change in gene expression compared to vehicle control
OCLN	Occludin (OCLN) gene expression following exposures; fold change in gene expression compared to vehicle control
KRT10	Keratin 10 (KRT10) gene expression following exposures; fold change in gene expression compared to vehicle control

KRT14	Keratin 14 (KRT14) gene expression following exposures; fold change in gene expression compared to vehicle control
CDH1	E-cadherin (CDH1) gene expression following exposures; fold change in gene expression compared to vehicle control
TSLP	Thymic stromal lymphopoietin (TSLP) gene expression following exposures; fold change in gene expression compared to vehicle control
S100A8	S100 calcium-binding protein A8 (S100A8) gene expression following exposures; fold change in gene expression compared to vehicle control
IL1A	Interleukin 1 alpha (IL1A) gene expression following exposures; fold change in gene expression compared to vehicle control
IL1B	Interleukin 1 beta (IL1B) gene expression following exposures; fold change in gene expression compared to vehicle control
TNF	Tumor necrosis factor (TNF) gene expression following exposures; fold change in gene expression compared to vehicle control, empty cells indicate that TNF was undetected
CXCL1	C-X-C motif chemokine ligand 1 (CXCL1) gene expression following exposures; fold change in gene expression compared to vehicle control
CXCL2	C-X-C motif chemokine ligand 2 (CXCL2) gene expression following exposures; fold change in gene expression compared to vehicle control
CXCL8	C-X-C motif chemokine ligand 8 (CXCL8) gene expression following exposures; fold change in gene expression compared to vehicle control
IL1A protein	Interleukin 1 alpha (IL1A) release in culture media following exposures, pg/mL
CXCL8 protein	C-X-C motif chemokine ligand 8 (CXCL8) release in culture media following exposures, pg/mL
IL36 protein	Interleukin 36 (IL36) release in culture media following exposures, pg/mL
VEGF protein	Vascular endothelial growth factor (VEGF) release in culture media following exposures, pg/mL

EGF protein	Epidermal growth factor (EGF) release in culture media following exposures, pg/mL
Permeability	Passage of a fluorescent molecule through EpiDerm tissues into culture media as a measure of tissue permeability; fold change in fluorescence intensity compared to vehicle control
Epidermal Thickness	The thickness of the EpiDerm tissues, epidermal thickness ( $\mu\text{m}$ ), measured from H&E-stained slides