

COVER PAGE SUPPLEMENTARY MATERIALS

TITLE:

Influence of Cosmetic Skincare Products with pH<5 on Skin Microbiome: A Randomized Clinical Evaluation

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Supplementary materials

Raw Data

Temperature (°C) - acclimatization room

Subject ID	t0	t1
3	21.9	24.5
8	23.9	23.5
10	23.1	24.1
13	22.4	24.1
14	23.1	24.9
16	21.9	22.8
19	21.9	23.1
25	23.6	24.0
26	23.1	22.4
31	22.4	24.9
39	21.9	23.5
44	22.9	24.0
47	23.1	23.9
50	21.4	23.8
52	21.9	23.6
61	21.8	24.2
62	22.3	23.4
63	23.0	23.2
65	22.0	24.1
67	22.1	23.8
72	22.3	24.8
74	23.1	23.8
75	22.4	23.8
79	21.9	22.9
80	21.5	22.9
81	22.8	23.5
91	22.1	23.9
93	22.1	23.9

Raw Data

Relative humidity (%) - acclimatization room

Subject ID	t0	t1
3	54.1	50.4
8	58.7	53.7
10	58.3	51.0
13	59.9	51.8
14	52.8	54.1
16	57.3	41.7
19	53.2	49.1
25	50.4	51.8
26	51.8	49.1
31	51.7	51.0
39	51.0	50.7
44	59.5	51.8
47	58.0	41.8
50	54.1	48.4
52	58.5	51.4
61	54.8	51.7
62	49.7	41.8
63	49.5	41.7
65	57.6	52.8
67	52.7	51.8
72	43.0	47.6
74	46.8	47.1
75	55.3	51.9
79	47.1	41.8
80	56.9	42.8
81	49.3	55.6
91	49.7	42.3
93	41.7	44.6

Raw Data

Temperature (°C) - measurement room

Subject ID	f0	f1
3	22.0	24.7
8	23.9	23.4
10	23.9	23.4
13	22.4	24.8
14	22.4	22.9
16	22.7	24.5
19	22.1	24.1
25	22.3	24.0
26	22.4	24.1
31	22.0	24.6
39	21.8	23.3
44	21.7	23.4
47	23.0	24.1
50	21.4	23.9
52	21.8	24.0
61	22.6	24.0
62	22.2	24.1
63	22.3	24.8
65	21.9	23.4
67	22.1	23.9
72	21.5	23.8
74	23.6	23.8
75	23.3	23.9
79	22.1	23.1
80	22.1	23.8
81	22.5	24.1
91	22.1	23.1
93	22.1	23.8

Raw Data

Relative humidity (%) - measurement room

Subject ID	t0	t1
3	54.1	50.4
8	60.0	51.9
10	53.5	49.0
13	59.9	51.1
14	60.4	49.8
16	55.1	50.4
19	49.8	45.7
25	63.0	51.2
26	54.8	49.2
31	52.8	50.4
39	54.9	51.8
44	53.8	47.2
47	59.2	49.8
50	54.1	49.0
52	54.1	52.3
61	55.6	51.2
62	55.9	52.0
63	53.4	54.1
65	57.6	49.2
67	52.7	41.8
72	53.6	47.4
74	45.8	49.1
75	50.4	50.8
79	51.0	43.6
80	49.7	49.4
81	52.9	57.6
91	49.6	51.9
93	49.0	49.9

Raw Data

TEWL Evaluation – Vitamin C

Subject#	Subject ID	t0	t1
1	3	3.17	6.40
2	13	6.46	6.51
3	16	6.94	6.20
4	26	5.84	1.40
5	31	6.44	6.94
6	39	9.04	7.07
7	44	5.55	7.56
8	47	4.22	7.25
9	50	5.28	11.61
10	52	17.35	8.06
11	61	7.24	8.54
12	62	10.15	8.63
13	63	6.96	8.86
14	65	9.53	10.25
15	67	12.32	6.85
16	72	12.39	9.28
17	74	7.65	11.83
18	75	8.13	5.18
19	79	5.23*	57.32*
20	80	8.03	10.34
21	81	7.98	11.43
22	91	9.47	5.72
23	93	13.84	8.25

* not considered

Raw Data

TEWL Evaluation – Native Algae Mask

Subject#	Subject ID	t0	t1
1	3	6.34	8.98
2	13	6.26	8.30
3	16	3.33	13.56
4	26	4.92	7.63
5	31	6.22	8.85
6	39	3.60	10.72
7	44	6.67	7.47
8	47	9.30	12.79
9	50	5.86	10.30
10	52	5.84	7.87
11	61	6.15	9.97
12	62	3.96	7.94
13	63	3.18	5.22
14	65	19.9*	6.08**
15	67	6.67**	60.17**
16	72	8.34	9.61
17	74	6.44	9.59
18	75	5.80	7.04
19	79	8.57	12.93
20	80	5.08	8.64
21	81	6.64	5.87
22	91	5.54	12.75
23	93	9.45	8.77

* Extreme outlier ** not considered

Raw Data

TEWL Evaluation – resveratrol concentrate

Subject#	Subject ID	t0	t1
1	3	6.04	7.85
2	13	5.92	8.32
3	16	4.08*	49.86*
4	26	4.98	8.18
5	31	7.38	8.40
6	39	2.61	9.17
7	44	8.26	7.70
8	47	7.86	8.93
9	50	4.88	9.14
10	52	4.83	8.69
11	61	6.54	11.40
12	62	4.70	7.13
13	63	2.74	6.70
14	65	12.33	9.19
15	67	6.71*	27.68*
16	72	8.64	7.93
17	74	7.24	11.74
18	75	5.96	6.67
19	79	7.30	11.78
20	80	7.32	9.02
21	81	8.11	5.80
22	91	4.50	12.03
23	93	6.12	8.35

* not considered

Raw Data

TEWL Evaluation – native collagen mask

Subject#	Subject ID	t0	t1
1	3	15.15	7.89
2	13	5.53	7.87
3	16	4.25	7.31
4	26	3.42	9.22
5	31	7.20	9.34
6	39	5.45	8.22
7	44	8.58	9.57
8	47	7.97	12.66
9	50	6.12	9.46
10	52	5.93	9.02
11	61	7.71	8.98
12	62	3.76	7.29
13	63	2.16	7.14
14	65	52.33*	5.77*
15	67	5.60	12.99
16	72	8.01	8.49
17	74	8.92	13.98
18	75	6.04	9.05
19	79	6.23	10.39
20	80	5.13	9.02
21	81	7.08	6.50
22	91	3.30	12.49
23	93	7.11	7.73

* not considered

Raw Data

TEWL Evaluation – untreated area

Subject#	Subject ID	t0	t1
1	3	4.78	8.03
2	13	3.26*	48.93*
3	16	5.00	7.67
4	26	7.00	7.90
5	31	4.79	8.04
6	39	4.93	7.94
7	44	6.08	9.68
8	47	5.91	9.80
9	50	6.74	7.90
10	52	9.13	8.69
11	61	4.31	7.31
12	62	8.41*	78.22*
13	63	26.88*	13.19*
14	65	6.28	8.27
15	67	4.75	5.94
16	72	7.71	12.26
17	74	8.56	12.58
18	75	5.04	9.22
19	79	6.46	9.24
20	80	7.74	8.94
21	81	5.06	5.89
22	91	6.37	8.74
23	93	3.92	6.31

* not considered