



Collections Range Independent Evaluation South Korea 2018

The Louthera Australia Collections range was invited to be evaluated in Seoul, South Korea. Korean Drug Co., Ltd. who researches and develops, manufactures, and markets medicines for treating human illness in South Korea was the facilitator. Korean Drug Co, Ltd. chose a leading Board-Certified Dermatologist in Gangnam, Seoul, to evaluate the products on his patients.

The methods of evaluation, Dermatologist selection, patient selection and product selection were completely independent of Louthera Australia.

Pre-existing medical and skin conditions of the patients being treated have not been disclosed. The brand(s) of skincare being used prior to the evaluation have not been disclosed.

The evaluation was conducted over a period of 6 weeks with the patients being measured at Baseline, Week 4 and Week 6.

All patients selected were female with an age range from 20-50 years.

The ethnicity of the patients was not disclosed.

The trial was conducted during early Autumn 2018 the average environmental temperature was 7 degrees Celsius. Patients were exposed to low humidity from indoor heating and harsh conditions outdoors.

The values measured were as below;

Skin Hydration (SH) using a Corneometer® measured in AU (Arbitrary Units). A reading of 35AU is considered very dry and a reading of 45AU is considered sufficiently hydrated. The mean measurement of the right and left cheek was reported as the site of measurement for this value.

Trans epidermal Water Loss (TEWL) using a Tewameter® measured in g/m²/h. A reading of 19.075 is considered normal. The mean measurement of the right and left cheek was reported as the site of measurement for this value.

Sebum Content (SC) using a Sebumeter® measured in mg/cm². A reading between 120-70mg/cm² is considered normal for females. The nose was reported as the site of measurement for this value.

Skin Ph using a pH meter. A reading from 4-7 is considered normal. The mean measurement of the right and left cheek was reported as the site of measurement for this value.



RESULTS

TYPE D COLLECTION: Dry/Irritated/Sensitive Skin

This Collection contains, Micellar Water, C Serum, Restorative Moisturiser, A Serum.

The Recommended Regime

AM

Moisten a cotton pad with Micellar Water and wipe your face and neck starting at the nose and working outwards. Post cleansing apply 1-2 pumps of the C Serum. Apply the Restorative Moisturiser followed by your Sun protection and make-up as desired.

PM

Moisten a cotton pad with Micellar Water and wipe your face and neck starting at the nose and working outwards. Post cleansing apply 1-2 pumps of the A Serum followed by 1-2 pumps of the C Serum. Apply the Restorative Moisturiser.

D Collection			
	Before	Week 4	Week 6
SH	52	50	50
TEWL	21	21	21
SC	71	67	72
pH	6.4	6.5	6.5
*mean results are depicted in the table above			

Conclusions:

All patients within this category maintained above optimal Skin Hydration

All patients within this category had slightly higher than desired TEWL which did not alter when brands were switched. This is to be expected with such a short trial duration and low humidity exposure during the time of the trial. Patients with dry/irritated and sensitive skin have inherently greater TEWL than those with normal or oily skin types.

All patients within this category began and finished with a normal Sebum Content.

The pH for these patients remained within a normal range the slightly higher than optimum correlates directly to the dry/irritated or sensitive skin type.



RESULTS

TYPE N COLLECTION: Normal/Combination Skin

This Collection contains, Deep Facial Cleanser, C Serum, Restorative Moisturiser, A Serum.

The Recommended Regime

AM

Moisten your face and neck with water apply 1pump of the Deep Facial Cleanser to your hands and work over your face and neck. Rinse with water. Post cleansing apply 1-2 pumps of the C Serum. Apply the Restorative Moisturiser followed by your Sun protection and make-up as desired.

PM

Moisten your face and neck with water apply 1pump of the Deep Facial Cleanser to your hands and work over your face and neck. Rinse with water. Post cleansing apply 1-2 pumps of the A Serum followed by 1-2 pumps of the C Serum. Apply the Restorative Moisturiser.

N Collection			
	Before	Week 4	Week 6
SH	59	59	58
TEWL	22	22	21
SC	95	93	93
pH	5.0	5.1	5.0
*mean results are depicted in the table above			

Conclusions:

All patients within this category maintained above optimal Skin Hydration

All patients within this category maintained an above optimum TEWL.

All patients within this category began and finished with a normal Sebum Content. It is noted that there was improvement in the reduction of Sebum Content which is beneficial in this group of Normal to Combinations skin types particularly considering the nose was used as the measurement area for Sebum Content.

The pH for these patients remained within a normal range and at an optimal level.



RESULTS

TYPE O COLLECTION: Congested/Oily Skin

This Collection contains, Deep Facial Cleanser, C Serum, Restorative Moisturiser, A Serum.

The Recommended Regime

AM

Moisten your face and neck with water apply 1pump of the Deep Facial Cleanser to your hands and work over your face and neck. Rinse with water. Post cleansing apply 1-2 pumps of the C Serum. Apply the Restorative Moisturiser followed by your Sun protection and make-up as desired.

PM

Moisten your face and neck with water apply 1pump of the Deep Facial Cleanser to your hands and work over your face and neck. Rinse with water. Post cleansing apply 1-2 pumps of the A Serum followed by 1-2 pumps of the C Serum. Apply the Restorative Moisturiser.

O Collection			
	Before	Week 4	Week 6
SH	62	59	59
TEWL	18	19	19
SC	135	130	133
pH	4.5	4.6	4.6
*mean results are depicted in the table above			

Conclusions:

All patients within this category maintained above optimal Skin Hydration

All patients within this category improved from a below optimum to optimum TEWL.

All patients within this category showed a reduction in Sebum Content which is beneficial in this group of Congested and Oily skin types particularly considering the nose was used as the measurement area for Sebum Content.

The pH for these patients remained within a normal range and slightly below the optimal level. Sebum plays a significant role in the balance of the acid mantle of the skin. The results are consistent with the sample group being classified in the appropriate skin type.