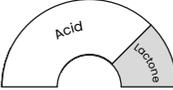


BIOSURFACTANT PLATFORM	TYPE	COMPOSITION	KEY FEATURES	FOAM PROFILE	USE LEVEL
<b>ReNuva™ SL-A70</b> INCI: Glycolipids	ACID SOPHOROLIPID	 70% ACID	HLB 16-18 <b>HYDROPHILIC</b> IONIC	MEDIUM	3-5%
<b>ReNuva™ SL-L70</b> INCI: Glycolipids	LACTONE SOPHOROLIPID	 70% LACTONE	HLB 6-8 <b>LIPOPHILIC</b> NON-IONIC	LOW	3-5%
<b>ReNuva™ RL-50</b> INCI: Glycolipids	RHAMNOLIPID	 1:2.75 MONO:DI	HLB 8-9 <b>LIPOPHILIC</b> NON-IONIC	HIGH	1-5%

**NEW**



-  SOLUBILIZE
-  EMULSIFY
-  DISPERSION AID

Non-Toxic & COSMOS Cytokine-Stimulating Sustainable  
 100% Biodegradable Non-GMO & Vegan Safety Testing Data



Engineered exclusively for beauty care



MOISTURIZING CLEANSERS



ALCOHOL-FREE FRAGRANCE MISTS



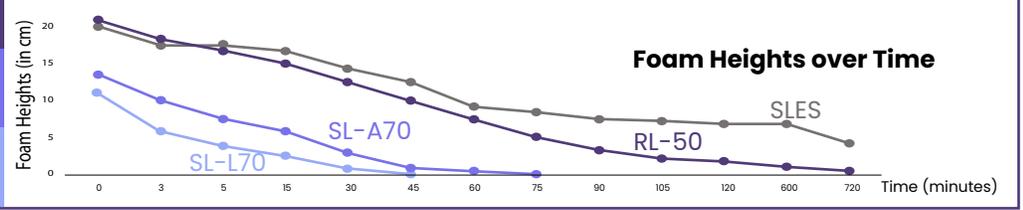
ORAL CARE & MOUTHWASH



WIPES & AMMENITIES

Special Features	ReNuva™ SL-A70	ReNuva™ SL-L70	ReNuva™ RL-50	Shared Features (A70, L70, RL-50)
Foam Profile	Medium	Low	High	Unrivaled Mildness
Acne & Dandruff Control	●	●	●	Excellent Cleanser & Solubilizer
Anti-Inflammatory Properties	●	●	●	ISO 16128 NOI = 1, (100% Natural)
Bacteriacide Preservative Booster	●	●	●	Developed Naturally via Biotechnology
Bacteriostasis Preservation Control	●	●	●	
Moisturization & Sebum Control	●	●	Moisturization	CMC 20-300x Lower Than Standard Amphiphile

- RL50** Rich Dense foam profile  
Best for: Hair care, Body care, Hand wash, facial cleanser
- A70** Medium foam profile  
Best for: Foam Cleansers & other moderate foam-based applications
- L70** Minimal foam profile  
Best for: Toners, micellar water, and other low-foam cleansers



## Cleansing

- 1.) L'OREAL WATERPROOF MASCARA APPLIED TO SKIN & ALLOWED 15 MINUTES TO DRY
- 2.) COTTON PADS WERE DIPPED & ALLOWED TO SOAK UP TO 5 GRAM OF MATERIAL A, B, C

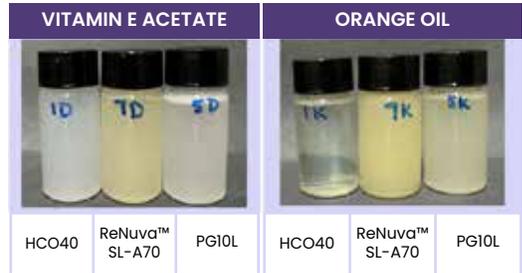


INITIAL      FIRST SET OF WIPES      FINAL SET OF WIPES

- A. COMMERCIAL MAKE-UP REMOVER
- B. COMMERCIAL MAKE-UP REOVER + 10% RENUVA LIPIDS
- C. 10% RENUVA LIPIDS + 90% H<sub>2</sub>O

## Solubility

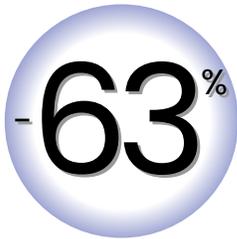
SOLUBULIZES A WIDE RANGE OF ESSENTIAL OILS & FRAGRANCES COMPARATIVELY TO HCO-40 & HCO-60



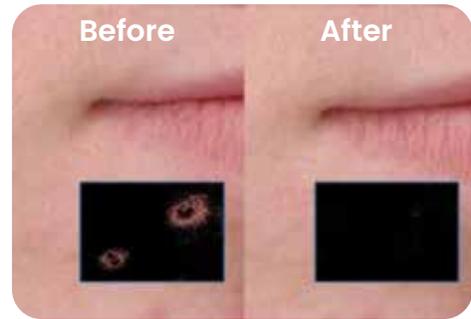
1% oil solubilized w/ 5% ReNuva™SL-A70

## Skin Health Microbiome

### LESION SIZE



T = 2x daily, 28 days  
Wash-Off Product



## Scalp Health Anti-Dandruff



### FLAKES



T = 1x daily, 21 days  
Leave-On Hair Spray

## Preservative Boosting

### ANTI-MICROBIAL LACTONES

TSA test for Fastidious & Non Fastidious Organisms, Gram-negative & Gram-positive



FIFRA Preservative 1.2% Multifunctional      Glycolipids 5% ReNuva™ SL-A70      5% ReNuva™ SL-L70      Positive Control Bacterial Growth

**\*USP-51**

ReNuva™ SL-A70 (Pass, Bacteriostatic)

ReNuva™ SL-L70 (Pass, Bactericide)

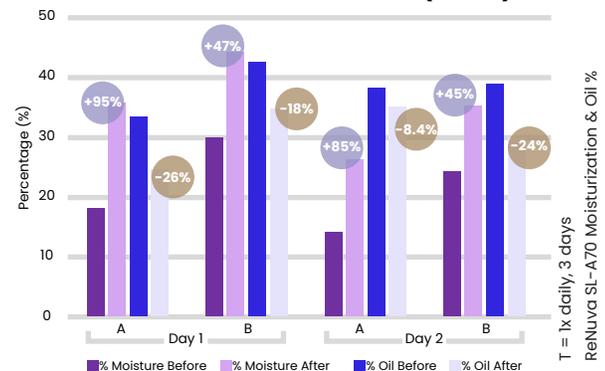
**\*\*Dip-Slides**

ReNuva™ SL-A70 (Pass)  
ReNuva™ SL-L70 (Pass)

\*10% Glycolipids  
\*\*5% Glycolipids

## Moisturizing

### TRANSEPIDERMAL WATER LOSS (TEWL)



All studies conducted with 10% SL-A70 & 90% Water