

BioReNuva®

More Than Just Foam

Formulary Catalog Fall 2023

BioSurfactant Highlight:

Sophorolipids (ReNuva™ SL-A70 & L-70)

Rhamnolipids (ReNuva™ RL-50)

ReNuva™ Ready (NEW) - Biotechnology
Fueled Surfactant Blend 100% Degradable

- Toner Pad
- Hydrating Toner
- Facial Bubble Cleanser
- Essential Mask
- Deep Cleansing Foam



Skin Calming Toner Pad

Formula Number: HC-1017



Phase	Ingredients	Trade Name	%
A	DI Water		77.12
	Glycerin		0.50
	Panthenol		0.05
	Betaine		0.05
	Sodium Hyaluronate		5.00
B	Acrylates/C10-30 Alkyl Acrylate Crosspolymer		12.00
C	Tromethamine		0.80
	Glycolipids	ReNuva™ SL-A70	3.00
D	Ethylhexylglycerin		0.10
	Fragrance		0.08
E	Aqua, Pantenol, Arginine, Glycerin, Proline, Glycine, Sorbitol, Hydrolyzed Soy Protein, Bis(Tripeptide-1) Copper Acetate		0.10
F	1,2-Hexanediol		1.20
	pH (direct, 25 C)		6.20
	Stability at Room Temperature		Stable
	Stability 45 C		Stable

#Cleanbeauty #Toner Pad #Tender Pad #Calm #Moisture #Slick Pottery Skin

- When you need soft care for rough skin
- When you need quick and easy hydration
- When you want to calm your sensitive skin quickly

It calms dry and sensitive skin immediately with moisture that fills up with freshness. No stickiness, this product cleanses the skin lightly with a convenient pad type delivery. It absorbs quickly, is mild, and provides boosting effect of moisture.

ReNuva SL-A70, a water-soluble lipids, quickly removes dead skin cells and waste that remains after washing the skin to keep it clean and smooth. The ReNuva SL-A70 is as a water-soluble emollient, maintaining moisturization without stickiness. It also helps to inhibit elastin enzymes in the skin and increases skin elasticity.

Manufacturing Process

1. Measure Phase A in a beaker and dissolve
2. Add B and C sequentially into phase A, mix.
3. Measure the D phase in a separate beaker, heat it 45 to 50°, and dissolve it until it becomes transparent.
4. Add the prepared Phase D to the main beaker (A+B+C) and dissolve it.
5. After cooling, add Phases E and F (can act as a defoaming). Water correction. End of work.

Additional Notes: With this formulation, it can also be used as a toner / skin / ampoule / serum containing 3% ReNuva SL-A70.

Hydrating Toner

Formula Number: HC-1008



Phase	Ingredients	Trade Name	%
A	DI Water		85.60
	Dipropylene Glycol		5.00
	Sodium Hyaluronate		5.00
	1,2-Hexanediol		1.20
B	Glycolipids	ReNuva™ SL-A70	2.00
	Glycolipids	ReNuva™ SL-L70	1.00
	Ethylhexylglycerin		0.10
	Fragrance		0.10
	pH (direct, 25 C)		5.00
	Stability at Room Temperature		Stable
	Stability 45 C		Stable

#Moisture Booster #Serum

This concentrated moisture formula is absorbed quickly into dry skin and provides immediate nutrition. It strengthens and calms the skin barrier, increasing moisturization and solidifying skin. It also prevents dryness with a rich moisture film.

ReNuva SL-A70 & L70, water-soluble bio-lipids, are watersoluble emollients that help hydrate without stickiness, making the skin feel moisturized.

Manufacturing Process

1. Measure Phase A in a beaker and melt with agi-mixer (60-65°)
2. Measure Phase B in a separate beaker and heat (60-65°).
3. Slowly inject phase B into Phase A and solubilize the agi-mixer for 10 minutes. (Maintained at 65°)
4. Finish work after cooling and water calibration.

Additional Notes: With this formulation can also be used as a skin / mist / toner pad / ampoule / serum.

Facial Bubble Cleanser

Formula Number: HC-1013



Phase	Ingredients	Trade Name	%
A	DI Water	ReNuva™ Ready	81.35
	Xantham Gum		0.15
	1,2-Hexanediol		2.50
	Glycolipids, Sodium Methyl Cocoyl Taurate, Cocamidopropyl Hydroxysultaine		15.00
B	Glycolipids	ReNuva™ SL-L70	1.00
	pH (direct, 25 C)		5.40
	Stability at Room Temperature		Stable
	Stability 45 C		Stable

#Skin'sFavoriteCleanser #ComfortableCleanser

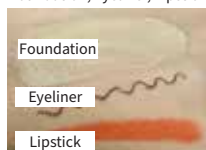
Introducing a facial two-in-one cleanser that can easily provide first and second cleansing simultaneously. ReNuva Ready contains biotechnology based Water Soluble Biolipids and Bio-based surfactants. Both are excellent at cleansing, moisturizing, foam formation and foam persistence, without a tight skin feel (tugging feel) even after use. This facial two-in-one cleanser provides maintained moisture. In addition, as a water-soluble emollient, ReNuva SL-L70 helps to wet easily (make-up, sebum, etc.), helping to cleanse quickly, and without stickiness. Perfect to Immediately hydrate and provide a moisturizing film to prevent dry skin.

Manufacturing Process

1. Measure and dissolve Phases A and B sequentially in a beaker

Additional Notes:: Dissolve at a minimum rpm due to good bubble generation

Apply
Foundation, Eyeliner, Lipstick



Apply
Facial Bubble Cleanser



After
10 Rolling Episodes



After
20 Rolling Episodes



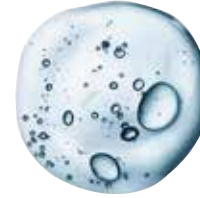
After
30 Rolling Episodes



Perfect
Cleansing

Essential Mask

Formula Number: HC-1021



Phase	Ingredients	Trade Name	%
A	DI Water	ReNuva™ SL-A70	94.32
	Glycerin		2.00
	1,2-Hexanediol		1.20
	Hydrolyzed Sclerotium Gum		0.12
B	Glycolipids	ReNuva™ SL-A70	0.08
	Fragrance		1.50
C	Ethylhexyl Olivatate, Sodium Acrylates	ReNuva™ SL-A70	0.08
	Copolymer, Polyglyceryl-4 Oleate		0.70
	pH (direct, 25 C)		6.04
	Viscosity (S3, 12RPM, 1D, 25 C)		1,500
	Stability at Room Temperature		Stable
	Stability 45 C		Stable

It is a translucent, clear essence formulation that moisturizes the skin's surface and deeper. The concentrated essence is delivered to the skin as it is, completely blocking moisture evaporation and maintaining moisturized skin without stickiness.

ReNuva SL-A70, a natural emollient that dissolves in water, gives the skin a positive coated affect with moisturization. It also enables the function of solubilizer that helps solubilize components like essential oils and fragrance.

Manufacturing Process

1. Measure Phase A in a beaker and dissolve (60-65°)
2. Dissolve Phase B heating in a separate beaker (60-65°)
3. Slowly inject Phase B into phase A and solubilize the agimixer for 5 minutes (60-65°)
4. Five minutes of the agi-mixer (60-65°) after sequentially injecting the Phase C
5. Cool, water calibration and finish.

Additional Notes: Use the Ethylhexyl Olivatate based thickener after dispersing sufficiently. Spreading and stirring well so it doesn't stick to the beaker.

Deep Cleansing Foam

Formula Number: HC-1003



Phase	Ingredients	Trade Name	%
A (Oil)	Lauric Acid	ReNuva™ SL-A70	4.00
	Myristic Acid		24.00
	Stearic Acid		6.00
	Glyceryl Stearate, PEG-100 Stearate		1.50
	Bees Wax		2.00
	Sorbitan Olivat		1.00
	Simmondsia Chinensis (Jojoba Seed Oil)		0.80
B (Water)	DI Water	ReNuva™ SL-A70	32.75
	Caprylyl Glycol		0.20
	1,2 Hexanediol		1.20
	Glycolipids		2.00
	Disodium EDTA		0.05
	Dipropylene Glycol		5.00
	Glycerine		10.00
C	Potassium Hydroxide		7.50
D	Coco-Betaine		2.00
	pH (direct, 25 C)		9.70
	Stability at Room Temperature		Stable
	Stability 45 C		Stable

#Sensitiveacneskin

Foam Cleanser with creamy texture and soft foam. It also has good density and cleans dirt and dead cells without irritation.

The ReNuva SL-L70 "water soluble biolipid" has excellent oil wetting and antibacterial effect - it also reduces sebum aggregation and improves moisturization.

Manufacturing Process

1. Measure Phase A (oil phase) in the main beaker and dissolve (75°)
2. Measure Phase B in a separate water beaker and dissolve (60°)
3. After confirming the complete dissolution of Phase B (water), slowly add Phase C and dissolve
4. *In the case of KOH, neutralizing heat is generated when dissolved in water, and the quality may deteriorate due to heat, so add it slowly.
5. Slowly add Phase B (water) to phase A (oil phase) and emulsify it. (H/M 5,500 rpm, proceed while checking the inspection status)
6. Cooling: 3,500 rpm, cool for 5 minutes and add Phase D at 50° or lower
7. Gradually stir to cool below 35° and finish the operation.

Additional Notes: Defoaming may be difficult due to the nature of the cleansing foam, so it is necessary to consider the process such as the mixing order

Additional Notes: With this formulation, it can also be used as a toner / skin / ampoule / serum containing 3% ReNuva SL-A70.

BioReNuva

BioReNuva was founded with the mission to deliver better performing ingredients utilizing biotechnology.

We're performance first and our dedication to application and product data proves that. Additionally, our product are milder to the skin, improve formulation flexibility and sustainability.

Reach out to us about how to introduce Biotechnology to your formula.

Contact Us: info@biorenuva.com



BioReNuva Team



Channel Partner



BioReNuva Manufacturing