

From our Formulary

## Hyaluronic Acid Serum 100 kDa



Here is the very simple formula to make our Hyaluronic Acid Serum 100KDa with a molecular weight of approximately 100,000 Daltons (100 kDa) based on Dr. Fukaya's Skin Repair Lotion. This formula makes a 2% solution that can be used on the skin as is, or added as an ingredient in other cosmetic formulations. This formula contains our **Hyaluronic Acid ELMW**, with an average molecular weight of 100 kDa and is preserved with **Leucidal Liquid**, a natural preservative.

Note that **the Measurement Option ONLY applies to Hyaluronic Acid ELMW**. As the molecular weight of Hyaluronic Acid decreases, the density increases, so 1 gram fills less and less of the teaspoon! The volumetric measurement of Hyaluronic Acid ELMW powder is always going to be an approximation as every batch's molecular weight will be somewhat different.

### Formula

	<b>Percent</b>	<b>Grams</b>	<b>Measurement Option</b>	<b>Ingredient</b>
<b>Single Phase</b>	96.0	96.0	3.4 fluid ounces	Distilled Water
	2.0	2.0	½ teaspoon	<b>Leucidal Liquid</b>
	2.0	2.0	1 ¼ level teaspoon	<b>Hyaluronic Acid ELMW</b>

1. Combine Distilled Water, Leucidal Liquid and stir to mix.

2. Sprinkle Hyaluronic Acid on surface of water and mix well with paddle mixer from time to time until mixture is smooth and evenly hydrated (this can take up to 45 minutes). Alternately, you can sprinkle the Hyaluronic Acid on top of and the water, mix it in and let it sit for up to 3 hours to fully hydrate and then mix it again until the mixture is thick and of a uniform consistency. With either method, white clumps or streaks of Hyaluronic Acid ELMW powder will disappear and the mixture will thicken when it is fully hydrated.

Makes approximately 100 grams or 3.5 ounces of serum.

INCI: Water, Leuconostoc/Radish Root Ferment Filtrate, Sodium Hyaluronate

Ingredients in **bold** are carried by Lotioncrafter

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