

Directions for Use
Silk Sericin®
LYOPHILIZED STERILE SILK SERICIN
Catalog Number #5429-1GM

Product Description

Advanced BioMatrix offers Silk Sericin, a purified sericin lyophilizate that can be prepared as a stock solution.

The sericin protein is widely used as a supplement in various cellular applications, most notably as an FBS serum replacement in cell culture and cell freezing.

Product Parameters

Parameters, Testing and Methods	Silk Sericin # 5429
Form	Lyophilized Powder
Package Size	1 gram
Storage Temperature	-20°C
Purity – SDS PAGE Electrophoresis	Characteristic
pH	8-9
Source	Domesticated Bombyx Mori Silkworm
Osmolality (mOsmo H ₂ O/kg)	< 5
Molecular Weight (kDa)	5-100

Storage/Stability:

The product ships on frozen gel packs. Upon receipt, store the sericin methacrylate at -20°C.

Preparation Instructions

Note: Employ aseptic practices to maintain the sterility of the product throughout the preparation and handling of the sericin and other solutions.

Note: The following instructions are for a 10% sericin solution. Recommended concentrations for use in cell culture are between 0.1-1.0 mg/ml.

1. To make a 10% stock solution, add 10 mL of 1X PBS to the bottle containing 1 gram of lyophilized sericin.
2. Mix on a shaker table or rotator plate until fully solubilized. Mixing may be done warm (>37°C) or at room temperature (20-22°C).
3. Once in solution, sub-dilutions can be made directly in media, or used for your desired cell applications.

Any excess material can be refrigerated and stored for up to 4 weeks. Avoid multiple freeze-thaw cycles and make aliquots as required for your applications.