

Alginate Reconstitution Protocol

Kit Components

Item	Quantity	Storage
CELLINK Alginate Powder - Sterile	200 mg	Room Temperature
Nozzle Kit	1	Room Temperature
Sterile 3 cc Cartridges	3	Room Temperature
Sterile luer-lock	3	Room Temperature
Sterile 12 mL syringe	3	Room Temperature

Materials not included

Item	Quantity
Stir Bar – Sterile	1
PBS	20 mL
50 mL Falcon Tube - Sterile	1
Sterile 0.22 µm filter	1
Sterile Serological pipets	1

Protocol

1. Prepare 20 mL of PBS or your desired reconstitution buffer.
2. Sterile filter this buffer into a sterile 50 mL Falcon Tube.
3. Pipet the desired volume of the sterilized reconstitution solution to the vial of CELLINK Alginate powder to achieve the desired concentration.

Final Concentration Desired	Volume Reconstitution Solution Needed
1% (10 mg/mL)	20 mL
2% (20 mg/mL)	10 mL
3% (30 mg/mL)	6.66 mL
4% (40 mg/mL)	5 mL

4. Add a sterile stir bar to the vial.
5. Stir solution overnight at room temperature to ensure dissolution.
6. Recap or transfer to syringe for storage.