

CollOvine-RDP Rehydration Protocol

Materials Provided:

1. 600 mg CollOvine-RDP
2. 125 mL of 0.02 M acetic acid (sterile), store at room temperature

Materials needed but not provided

1. Sterile pipet (25 or 50 mL) or equivalent
2. Pipet aid
3. Orbital shaker or equivalent
4. Sterile room or biosafety cabinet (laminar flow hood)

Procedure:

The lyophilized collagen must be hydrated with small incremental amounts of 0.02 M acetic acid. OviGenex provided 0.02 M acetic acid for your convenience. The following procedure is for the hydration of the bulk lyophilized powder to 6 mg/mL final concentration.

1. To maintain the sterility of the collagen, only open the bottle under sterile conditions (*i.e.*, a biosafety cabinet).
2. To the 600 mg of lyophilized CollOvine-RDP, add 50 mL of 0.02 M acetic acid. Swirl the bottle to mix and place on an orbital shaker for 4 hours at room temperature.
3. Add 25 mL of 0.02 M acetic acid and continue mixing on an orbital shaker for 2 hours at room temperature. Store solution at 2 - 8 °C overnight.
4. Following day, add 24 mL of 0.02 M acetic acid and continue mixing on an orbital shaker for 8 hours at room temperature until dissolved.
5. Store the collagen solution at 2 - 8 °C.