

User Protocol: Re-suspending μ CollaFibR™ in PBS

Product storage and handling:

- Store vials containing fibers between 2-8°C and protect from light (if FITC containing).
- Package is sterile upon delivery.
- For efficient resuspension of fibers, optimize concentration based on application. For further sterilization of included metal balls, use 70% ethanol for 15 minutes. wash with sterile PBS twice prior to use and dry in a Biosafety cabinet (BSC).

1. Resuspend fibers at desired concentration (The recommended working range is 1.0-7.5 mg/ml).

For fiber concentrations below 2.5mg/mL

2. **Vortex** at 2500-3000 RPM for 8 min.
3. The fiber solution is now ready to use in your applications.

For fiber concentrations between 2.5mg/mL and 5.0mg/mL

2. **Vortex** with provided **metal balls** at 2500-3000 RPM for 6 min.
3. While fiber solution is immersed in an ice bath, probe-sonicate at an amplitude of 30 Hertz for 10 s (if material needs to be sterile, do this in a BSC). This step will help with further fiber dispersion but is optional.
4. The dispersed fiber solution is now ready for use in your applications.

For fiber concentrations above 5mg/mL and up to 7.5mg/mL

5. **Vortex** with provided metal balls at 2500-3000 RPM for 6 min.
6. While fiber solution is immersed in an ice bath, probe-sonicate at an amplitude of 30 Hertz for 10 seconds. If the material needs to be sterile, do this in a BSC.
7. The dispersed fiber solution is now ready for use in your applications.