

General Applications

Using a stir bar in a biopharmaceutical container (carboy, media bottle, solution bottle, etc.) where product needs to be both agitated and stay in suspension; where traditional mixers can be potentially harmful to cell growth.



Specific Application Example

Customer has the need to mix media in a biopharmaceutical bag with a simple, application single-use stir bar after the molded hose barb ports have been installed. The customer needs the stir bar to have the capability of being gamma irradiated, slip through a standard ¼” hose barb, and be made of an inert material that will not shed particulates

Features/ Benefits

◇ HDPE or PVDF Contact Material	<ul style="list-style-type: none"> ○ Industry proven, validatable material ○ Meets UPS Class VI* ○ Animal derivative component free ○ Good chemical resistance with most acids and bases
◆ Gamma Stable	<ul style="list-style-type: none"> ● Gamma Stable Stir Bar can be inserted into bags and/or containers after assembly ● Ability to withstand 50 kilogray
◇ Compact Design	<ul style="list-style-type: none"> ○ Slides through 1/4" hose barbs for quick and easy installation ○ Ideal for most 10L and 20L bag system or bottle systems ○ Light weight
◆ Low Profile	<ul style="list-style-type: none"> ● Reduce risk of penetrating bag assembly
◇ Single-Use	<ul style="list-style-type: none"> ○ Single-Use ○ Eliminate cleaning validation ○ Reduce set up times and costs
◆ Durable	<ul style="list-style-type: none"> ● Ability to withstand repeat use if necessary
◇ Magnetic Control	<ul style="list-style-type: none"> ○ Repeatability and consistent results
◆ Smooth & Consistent Finish	<ul style="list-style-type: none"> ● Material contact surface does not shed particulate ● Eliminate cross contamination

* PVDF Material Only

Target Applications

Media, Buffer Preparation, Process Purification, Bioreactors for Cell Applications
Fermentation/Harvesting, Formulation, and Final Fill

Dimensions

Length – 2.25” Diameter – 0.245”

■ Other custom lengths or diameters are available upon request