

PLASTIC BAG CONTAINING A DISPOSABLE VORTEX BREAKER

ABSTRACT

5 The present invention consists of a closed presterilized bag having a disposable
mixing element within it, a drive mechanism outside of the bag for rotating the mixing
element without voiding sterility and a vortex breaker in the form of one or more
plastic sheet materials that are attached to various inner surfaces of the bag and disrupt
10 the formation of vortices within the bag. Preferably the sheet(s) are formed of the
same material as the bag and are sealed to the bag surfaces. More preferably, the
sheet(s) extend across a diameter of the bag. Most preferably, the sheet(s) are
perforated with one or more slits or openings to allow for good flow and mixing
without a vortex being formed.

15 Fig. 1