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(54) Title: SYSTEMS AND METHODS FOR THE PREPARATION OF FLUIDS FOR BIOPROCESS AND PHARMACEUTICAL APPLICATIONS

Buffer A	Recipe
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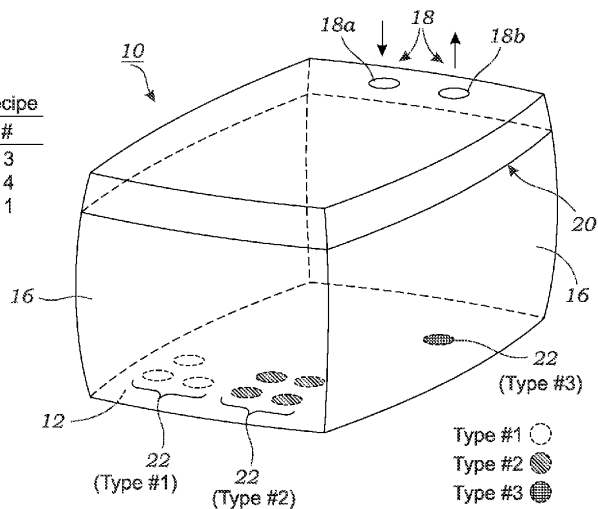


FIG. 1

(57) Abstract: A system for the preparation of fluids for bioprocess and pharmaceutical applications uses one or more flexible bags that are pre-loaded with solid tablets contained therein of various buffer/media/physiological fluid constituents. Examples include salts, acids, bases, preservatives, proteins, amino acids, growth factors, small molecules, and drugs. The flexible bag contains one or more sealed or sealable openings that are used to add water to the interior of the flexible bag as well as remove fluid from the flexible bag. The one or more sealed openings may also be used as an outlet to remove fluid (e.g., buffer) from the flexible bag. The flexible bag may be stored in a deflated state aiding in the storage and/or transport of the flexible bag. Multiple flexible bags may be coupled to a manifold with valves to selectively fill and empty the flexible bags.

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