Summary of the Invention

[0005] It is therefore an object of the invention to provide a mixing and dispensing system suitable for large volumes. It is a further object of the invention to provide a mixing and dispensing system that provides a closed system that is terminally sterilized for use by an end user in a ciean room. It is a further object of the invention to provide a system that is pre-assembled for use by the end user. It is yet another object of the invention to provide a dispensing system that provides a desired substance within a clean room and does not detract from the other work being performed in the clean room.

[0006] In an example~~the present invention~~, a method for mixing and dispensing two substances is provided. The method includes the steps of: providing a first container containing a first substance; providing a second container containing a second substance; providing a pump system; connecting the pumping system to the first and second containers; operating the pump system to combine the first substance with the second substance by pumping the first substance from the first container into the second container; operating the pump system to circulate the combined substance to generate a mixed substance; and operating the pump system to dispense the mixed substance.

[0007] An example ~~The present invention also~~ provides an apparatus for mixing and dispensing two substances, which includes: a first substance a first container for containing a first substance, a second container for containing a second substance, a feeding tube, and a pumping system connected to the first container, the second container, and the feeding tube; wherein the system comprises at least three modes of operation: combining the first and second substances into one combined substance, mixing the combined substance, and dispensing the mixed substance; and wherein the

pumping system is adapted to perform the at least three modes of operation and dispense the mixed substance to the feeding tube.

[0008] An example ~~The present invention also~~ includes a device and method for sterilizing, including the steps of: providing a first container with a first substance; providing a second container with a second substance; connecting the first container to the second container with at least one tube; enclosing the first and second containers and the at least one tube in at least one bag; closing the at least one bag to form a container enclosure; and sterilizing the container enclosure.

[0008A] According to various embodiments, a mixing and dispensing apparatus may be provided. The mixing and dispensing apparatus may include: a first container for containing a first substance; a second container for containing a second substance; a tube system configured to combine the first and second substances into one combined substance, mix the combined substance, and dispense the combined substance; a fluid-impermeable enclosure enclosing the first container, the second container, and the tube system.

[0008B] According to various embodiments, a method may be provided. The method may include: filling a first container with a first substance; filling a second container with a second substance; providing a tube system configured to combine the first and second substances into one combined substance, mix the combined substance, and dispense the combined substance; enclosing the first container, the second container, and the tube system in a fluid-impermeable enclosure.