CLAIMS

1. A multi-mix infusion bag comprising:

a lower portion having a lower chamber;

an upper portion comprising a plurality of chambers, wherein each chamber is separated and contains a fluid agent, and wherein the multi-mix infusion bag is configured to transfer each fluid agent within each chamber of the upper portion into the lower chamber for mixing;

a dispensing mechanism associated with each of the plurality of chambers, wherein the dispensing mechanism is in a top portion of each the plurality of chambers; and

separating members located between each of the plurality of chambers, wherein each fluid agent is transferred from each of the plurality of chambers into the lower chamber in response to activation of the dispensing mechanism, wherein each dispensing mechanism comprises a dispensing device and a perforating device conduit, wherein the dispensing device comprises a ~~plunging device~~plunger, and wherein activation of the dispensing mechanism includes depressing the ~~plunging device~~ plunger toward the lower portion of the bag and the perforating device conduit pierces a separating wall in response to depressing the dispensing device.

2. The bag of claim 1, further comprising the~~a~~ separating wall located between the upper portion and the lower portion of the multi-mix infusion bag.

~~3. The bag of claim 1, wherein the perforating device conduit pierces the separating wall in response to depressing the dispensing device.~~

~~4~~3. The bag of claim 1, further comprising a dispensing bar coupling each of the dispensing devices together, wherein the dispensing bar operates to depress each dispensing device simultaneously.

~~5~~4. A multi-mix infusion bag comprising:

a lower portion having a lower chamber;

an upper portion comprising at least four chambers, wherein each chamber is separated and contains a fluid agent in a stored condition, and wherein the multi-mix infusion bag is moveable into a dispensing condition, wherein each fluid agent within each chamber of the upper portion is transferred into the lower chamber for mixing;

a dispensing mechanism associated with each of the at least four chambers, wherein the dispensing mechanism is in a top portion of each the at least four chambers; and

separating members located between each of the at least four chambers, wherein the fluid agent is transferred from the at least four chambers into the lower chamber in response to activation of the dispensing mechanism, wherein each dispensing mechanism comprises a dispensing device and a perforating device conduit, wherein the dispensing device comprises a ~~plunging device~~plunger, and wherein activation of the dispensing mechanism includes depressing the ~~plunging device~~ plunger toward the lower portion of the bag and the perforating device conduit pierces a separating wall in response to depressing the dispensing device.

~~6~~5. The bag of claim ~~5~~4, further comprising ~~a~~ the separating wall located between the upper portion and the lower portion of the multi-mix infusion bag.

~~7. The bag of claim 5, wherein the perforating device conduit pierces the separating wall in response to depressing the dispensing device.~~

~~8~~6. The bag of claim ~~5~~4, further comprising a dispensing bar coupling each of the dispensing devices together, wherein the dispensing bar operates to depress each dispensing device simultaneously.

~~9~~7. A method of using a multi-mix infusion bag, the method comprising:

hanging a multi-mix infusion bag having a plurality of chambers, wherein each chamber is pre-filled with a fluid agent in a stored condition;

activating dispensing devices in a top portion of each of the plurality of chambers of the multi-mix infusion bag to move the multi-mix infusion bag into a dispensing condition, wherein the fluid agent in each chamber is transferred into a lower chamber in response to activating the dispensing devices, wherein activating dispensing devices further comprises piercing a separating wall with a perforating device conduit of each dispensing device;

mixing the fluid agents to form a mixed fluid; and

dispensing the mixed fluid to a patient.

~~10~~8. The method of claim ~~9~~7, wherein activating dispensing devices further comprises independently activating each dispensing device.

~~11~~9. The method of claim ~~9~~7, wherein activating dispensing devices further comprises simultaneously activating each dispensing device.

~~12~~10. The method of claim ~~9~~7, further comprising transferring an additive to the mixed fluid through an inlet of the multi-mix infusion bag.

~~13~~11. The method of claim ~~9~~7, further comprising impeding light and oxidation.

~~14~~12. A multi-mix infusion bag comprising:

a lower portion having a lower chamber;

an upper portion comprising a plurality of chambers, wherein each chamber is separated and contains a fluid agent, and wherein the multi-mix infusion bag is configured to transfer each fluid agent within each chamber of the upper portion into the lower chamber for mixing;

separating members located between each of the plurality of chambers;

a dispensing mechanism associated with each chamber of the upper portion, wherein each fluid agent is transferred from each of the plurality of chambers into the lower chamber in response to activation of the dispensing mechanism, wherein each dispensing mechanism comprises a dispensing device and a perforating device conduit, wherein activation of the dispensing mechanism includes depressing the dispensing device toward the lower portion of the bag; and

a dispensing bar coupling each of the dispensing devices together, wherein the dispensing bar operates to depress each dispensing device simultaneously.