CLAIMS

1. A personal portable fluid dispensing apparatus, comprising:

(a) a vessel component for retaining fluid; and

(b) a dispenser component in communication with the vessel component, the dispenser component adapted to retain two or more ingestible materials that can be selectively added to the vessel component, in which the ingestible materials include at least two different material types.

2. An apparatus according to Claim 1, further comprising:

(c) a base component attached below to the vessel component.

3. A personal portable fluid dispensing apparatus, comprising:

a vessel component for retaining fluid; and

a dispenser component which is configured to retain two or more ingestible materials that can be selectively added to the vessel component based on a user selection.

4. An apparatus according to Claim 3, in which the apparatus further comprises a base component attached below the vessel component.

5. An apparatus according to Claim 1 or 3, in which the vessel component has an open end portion that mates with the base component.

6. An apparatus according to any preceding claim, in which the base component provides temperature control of fluid retained in the vessel component.

7. An apparatus according to any preceding claim, in which the base components is divided into a plurality of compartments.

8. An apparatus according to Claim 7, in which the vessel component includes a mixer component.

9. An apparatus according to Claim 8, in which the mixer component is automatically activated in response to the ingestible materials being dispensed into the vessel component or a detected motion of the apparatus.

10. An apparatus according to Claim 8, in which the mixer component is activated based on a stored blending schedule.

11. An apparatus according to any of Claims 1 to 8, in which one or more operation parameters of the apparatus can be manipulated manually or remotely.

12. An apparatus according to Claim 11 in which one or more operation parameters include temperature of fluid within the vessel component, addition of one or more ingestible materials to the vessel component, outputs to a user of the apparatus, exposure of contents to ultraviolet light for sterilization, backlighting of contents with variable colour and/or brightness, addition of a secondary fluid, blending of the fluid and the ingestible materials, or scanning packets of ingestible materials via an RFID chip or QR code scanning.

13. An apparatus according to any preceding claim, in which the base component and vessel component are releasably affixed.

14. An apparatus according to Claim 13, in which the base component and vessel component are releasably engaged by threaded attachment.

15. An apparatus according to any preceding claim, in which the apparatus comprises a battery component and a processor.

16. An apparatus according to any preceding claim, in which the apparatus and an associated application assess one or more use parameters, user stored demographics, stored user preferences, user location, motion impact to the apparatus, orientation, pressure, and direction of the apparatus, accelerometer reading, strain gauge reading, thermistor reading and optimal hydration based on body weight, exercise, and ambient temperature.

17. An apparatus according to any preceding claim, in which the dispenser component is configured to nest and selectively dispense one or more ingestible materials.

18. An apparatus according to any preceding claim, in which the dispenser component is configured to nest and selectively dispense multiple distinct ingestible materials.

19. A personal portable fluid dispensing apparatus, comprising:

a vessel component for retaining fluid;

a dispenser component which is configured to retain two or more ingestible materials that can be selectively added to the vessel component,

in which the apparatus can separately store multiple distinct fluids.

20. An apparatus according to Claim 19, in which the vessel component is divided into multiple compartments to store the multiple distinct fluids.

CLAIMS

1. A personal portable fluid dispensing apparatus, comprising:

(a) a vessel component for retaining fluid;

(b) a dispenser component in communication with the vessel component, the dispenser component adapted to retain two or more ingestible materials that can be selectively added to the vessel component, in which the ingestible materials include at least two different material types; and

(c) a base component attached below the vessel component;

in which the vessel component has an open end portion that mates with the base component.

2. A personal portable fluid dispensing apparatus, comprising:

a vessel component for retaining fluid;

a dispenser component which is configured to retain two or more ingestible materials that can be selectively added to the vessel component based on a user selection; and

a base component attached below the vessel component;

in which the vessel component has an open end portion that mates with the base component.

3. An apparatus according to Claim 1 or 2, in which the base component provides temperature control of fluid retained in the vessel component.

4. An apparatus according to Claim 1, 2 or 3, in which the base component is divided into a plurality of compartments.

5. An apparatus according to Claim 4, in which the vessel component includes a mixer component.

6. An apparatus according to Claim 5, in which the mixer component is automatically activated in response to the ingestible materials being dispensed into the vessel component or a detected motion of the apparatus.

7. An apparatus according to Claim 5, in which the mixer component is activated based on a stored blending schedule.

8. An apparatus according to any of Claims 1 to 5, in which one or more operation parameters of the apparatus can be manipulated manually or remotely.

9. An apparatus according to Claim 8 in which one or more operation parameters include temperature of fluid within the vessel component, addition of one or more ingestible materials to the vessel component, outputs to a user of the apparatus, exposure of contents to ultraviolet light for sterilization, backlighting of contents with variable colour and/or brightness, addition of a secondary fluid, blending of the fluid and the ingestible materials, or scanning packets of ingestible materials via an RFID chip or QR code scanning.

10. An apparatus according to any preceding claim, in which the base component and vessel component are releasably affixed.

11. An apparatus according to Claim 10, in which the base component and vessel component are releasably engaged by threaded attachment.

12. An apparatus according to any preceding claim, in which the apparatus comprises a battery component and a processor.

13. An apparatus according to any preceding claim, in which the apparatus and an associated application assess one or more use parameters, user stored demographics, stored user preferences, user location, motion impact to the apparatus, orientation, pressure, and direction of the apparatus, accelerometer reading, strain gauge reading, thermistor reading and optimal hydration based on body weight, exercise, and ambient temperature.

14. An apparatus according to any preceding claim, in which the dispenser component is configured to nest and selectively dispense one or more ingestible materials.

15. An apparatus according to any preceding claim, in which the dispenser component is configured to nest and selectively dispense multiple distinct ingestible materials.

16. A personal portable fluid dispensing apparatus, comprising:

a vessel component for retaining fluid;

a dispenser component which is configured to retain two or more ingestible materials that can be selectively added to the vessel component; and

a base component attached below to the vessel component;

in which the vessel component has an open end portion that mates with the base component

in which the apparatus can separately store multiple distinct fluids.

17. An apparatus according to Claim 16, in which the vessel component is divided into multiple compartments to store the multiple distinct fluids.