CLAIMS

1. A system comprising:
    a) a disposable container comprising a first and second end, one or more attachment connectors at the first end, and one or more conveyance connectors at the second end;
    b) a holder comprising:
        a. upper and lower surfaces, and optionally side surfaces, each comprising an interior surface and an exterior surface;
        b. a front section and a rear section, each section comprising about one-half the length of the holder;
        c. one or more receiving connectors positioned near the front section for receiving the one or more attachment connectors of the disposable container;
        d. at least one mechanism for conveying the disposable container horizontally from the undeployed to the deployed configuration, optionally wherein the at least one mechanism is positioned closer to the rear section than the front section; and,
    c) at least one means of conveyance connected to the disposable container by the one or more conveyance connectors;

    wherein:

    i) the disposable container is positioned upon the inner surface of the container,
    ii) when the disposable container in the undeployed configuration, engagement of the means of conveyance changes the configuration of the disposable container horizontally to the deployed position wherein the disposable container is extended along at least part of the length of an inner surface of the holder; and,
    iii) optionally, the means of conveyance is attached to the disposable container by the one or more conveyance connectors.

2. A system of claim 1 comprising:

a) a disposable container comprising a first and second end, one or more attachment connectors at the first end, and one or more conveyance connectors at the second end;

b) a holder comprising:

   a. an interior surface and an exterior surface;

   b. a front section and a rear section;

   c. optionally one or more side surfaces;

   d. one or more receiving connector positioned near the front section for receiving the one or more attachment connectors, optionally upon the lower surface or sidewalls of the holder;

   wherein, optionally, the receiving connector is position on an inner surface and/or a sidewall;

c) at least one orifice positioned near the rear section and connecting the inner surface and the outer surface; and,

d) at least one means of conveyance traversing the orifice and being attached to the disposable container by the one or more conveyance connectors;

wherein:

i) the disposable container is positioned upon the inner surface of the container, and attached thereto by the one or more attachment connectors; and,

ii) when the disposable container is positioned in the container in the undeployed configuration in the front section of the container and the means of conveyance is a cable:

   a. the one or more conveyance connectors are cable connectors positioned near the front section of the container;

b. the cable extends through the orifice and along the inner surface of the container to the front section and is attached to the disposable container by the one or more cable connectors; and,
c. the application of a pulling force upon the cable from the rear section moves the cable connector and disposable container horizontally from the front section of the holder towards the rear section of the holder to position the disposable container in the deployed position.

3. The system of claim 1 or 2 wherein the disposable container and/or the holder are of an essentially square, rectangular, oval or circular shape; the one or more conveyance connectors are positioned closer to the front section of the holder than the back section; the disposable container is attached to the holder by the one or more attachment connectors; the means of conveyance is attached to the disposable container by the one or more conveyance connectors; the application of a pulling force upon the cable from the rear section moves the cable connector and disposable container from the front section of the holder towards the rear section of the holder to position the disposable container in the deployed position; and/or, when the disposable container is positioned in the container in the undeployed configuration within the front section of the container, the one or more conveyance connectors are positioned closer to the front section of the holder than the back section, the means of conveyance comprises one or more cables extending through an orifice positioned in the back section of the holder and along the inner surface thereof, the one or more cables being connected to the disposable container by the one or more conveyance connectors, one or more of the conveyance connectors optionally being a cable connector, and, the application of a pulling force upon the cable from the rear section moves the cable connector and disposable container from the front section of the holder towards the rear section of the holder to position the disposable container in the deployed position.

4. The system of any one of claims 1-3 wherein: one or both of the one or more attachment connectors and/or the conveyance connector comprise a barb port; the

mechanism for conveying the disposable container is one or more cables, one or more telescoping rods, and/or one or more screws; the mechanism for conveying the disposable container from the undeployed to the deployed configuration comprises an orifice in the holder and a cable connected to the disposable container and traversing said orifice; the mechanism for conveying the disposable container further comprises a manual or automatic cable roller; the cable extends through the orifice and is attached to the disposable container by the one or more conveyance connectors; the cable extends along the inner surface of the holder when the disposable container is in the undeployed position; the cable extends through the orifice and along the inner surface of the container to the front section and is attached to the disposable container by the one or more cable connectors; the mechanism for conveying the disposable container comprises one or more pulleys; the system comprises multiple units comprising at least one disposable container and at least one holder, optionally wherein the disposable container and/or holder of at least one unit is in contact with at least one disposable container and/or holder of at least one other unit; the disposable container is in fluid communication with at least one source of fluid that is deposited into the disposable container; the disposable container is in fluid communication with at least one reaction vessel; the disposable container is in fluid communication with at least one external source of fluid that is deposited into the disposable container, and is in further fluid communication with at least one reaction vessel; the disposable container comprises one or more fluids, optionally a buffer, within an interior chamber of the disposable container; the disposable container comprises at least one port, optionally multiple ports; the disposable container comprises multiple ports, at least one of said ports being in fluid communication with at least one source of fluid that is deposited into the disposable container and at least one of said ports is in fluid communication with at least one reaction vessel; at least one disposable container is in fluid communication with at least one other disposable container.

5. A disposable container for use in the system of any one of claims 1-4 comprising one or more attachment connectors and one or more conveyance connectors, optionally

wherein the attachment connectors are suitable for attachment to a separate disposable container holder; the attachment connectors are suitable for attachment to a mechanism for conveying the disposable container from an undeployed to a deployed configuration within a disposable container holder; one or more of the connectors comprises a barbed port; one or more connectors are welded to the disposable container; the disposable container comprises an interior surface and an exterior surface, the interior surface surrounding at least one internal chamber, and said connectors are positioned on the exterior surface; the disposable container is comprised of two or more sheets of material adjoined to one another along at least one edge, and at least one or more of the connectors are positioned within at least one of said edges; the disposable container comprises a first end and a second end opposite the first end, the one or more attachment connectors are positioned at the first end, and the one or more conveyance connectors are positioned at the second end; the disposable container is attached to a disposable container holder by the one or more attachment connectors; the disposable container is attached to a mechanism for conveying the disposable container by the one or more conveyance connectors; the disposable container is attached to a mechanism for conveying the disposable container that is one or more cables, one or more telescoping rods, and/or one or more screws; the one or more attachment connectors and/or the one or more conveyance connectors comprise a barbed port; the disposable container has an essentially square, rectangular, oval or circular shape; the disposable container has a capacity of 10 to 10,000 liters, optionally 10 liters, 30 liters, 100 liters, 250 liters, 500 liters, 750 liters, 1,000 liters, 1,500 liters, 3,000 liters, 5,000 liters, or 10,000 liters; the disposable container is in fluid communication with at least one other disposable container and/or reaction vessel; the disposable container is in fluid communication with at least one external source of fluid; the disposable container is in fluid communication with at least one external source of fluid and at least one reaction vessel; the disposable container further comprises an interior chamber and comprising one or more fluids, optionally a buffer, within the interior chamber; the disposable container comprises at least one port, optionally multiple ports; the disposable container comprises multiple ports, at least one of said ports being in fluid

communication with at least one external source of fluid and at least one of said ports is in fluid communication with at least one reaction vessel; and/or, at least one of said ports is a barbed port.

6. A disposable container for use in the system of claim 1, the disposable container comprising at least a first chamber and at least one second chamber fluidly separated from one another, the first chamber configured to contain a volume of fluid greater than that for which the second chamber is configured to contain, wherein: at least partially filling the at least one second chamber with a fluid changes the configuration of the disposable container horizontally from an undeployed to a deployed configuration; wherein at least one second chamber is at least partially filled with air and the disposable container in an at least partially deployed configuration; the disposable container comprising a perimeter wherein the at least one second chamber is positioned along at least partially along said perimeter; the disposable container has an overall shape selected from the group consisting of circular, oval, square and rectangular; the disposable container comprises a perimeter comprising at least two first edges and at least two second edges longer than said first edges, wherein at least one second chamber is at least partially positioned along at least one of said second edges; the disposable container comprises at least one second chamber at least partially positioned along at least each of said second edges; at least one second chamber is at least partially filled with a fluid, optionally wherein said fluid is air; said first chamber is at least partially filled with a fluid.

7. A system comprising at least one disposable container of claim 6, the system further comprising a source of fluid with which the at least one second chamber is at least partially filled, at least one fluidic pathway connecting said source of fluid and said at least one second chamber, and at least one valve for controlling the deposit and withdrawal of fluid from said at least one second chamber; optionally wherein said fluid is air.

8. A method for deploying a disposable container of claim 6, horizontally from an

undeployed to a deployed configuration, the method comprising providing fluid to the at least one second chamber from a source of fluid to at least partially fill said at least one second chamber whereby the disposable container is deployed horizontally; optionally wherein the disposable container comprises at least two second chambers that are each at least partially filled with said fluid, optionally wherein said fluid is air.

9. A system for measuring the pressure within a disposable container of claim 6, a system of claim 7, or a method of claim 8, the system comprising at least one remote pressure monitor connected to the disposable container through a fluidic connection, the remote pressure monitor comprising at least one bladder for sampling fluid from the disposable container through the fluidic connection, a load cell, and at least one pressure indicating transmitter (PIT) that provides a representation of the pressure within the disposable container; optionally wherein said fluid is air; the disposable container is maintained at atmospheric pressure, the PIT indicates a pressure of substantially zero; when the disposable container is maintained at above atmospheric pressure, the PIT indicates a positive pressure; the pressure within the disposable container is continuously monitored.

10. A method for monitoring and adjusting the pressure within a disposable reaction container, the method comprising:
    a) monitoring the pressure indicated by a pressure monitor connected to the disposable container of claim 6 through a fluidic connection, said pressure monitor comprising at least one bladder for sampling fluid from the disposable container through the fluidic connection, a load cell, and at least one pressure indicating transmitter (PIT) that provides a representation of the pressure within the disposable container;
    b) adjusting the pressure in the disposable container where the PIT indicates the pressure within the disposable container is too high; and,
    c) repeating steps a) and b) as required until an acceptable pressure within the disposable container is achieved.