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Text of the abstract

A buffer management system comprises a set of concentrated buffer solutions and an inline dilution skid having a manifold. The manifold includes a plurality of buffer inlet ports in respective fluid communication with one of the set of concentrated buffer solutions and in fluid communication with a buffer characteristic sensor. A control unit is configured to identify the concentrated buffer solution entering the manifold based upon a buffer characteristic of the solution sensed by the buffer characteristic sensor. The manifold also comprises a plurality of buffer discharge ports that can respectively discharge an amount of liquid into one of a plurality of biocontainers. A fill level signal indicative of a value for the amount of material within each one of the plurality of biocontainers can be sensed. The control unit is configured to identify the biocontainer with which the buffer discharge port is in fluid communication based upon the change of the fill level signal therefrom.