What is claimed

1) A material for biocontainers comprising a multilayered film, the multilayered film having an interior and exterior side,

an abrasion-resistant substrate attached to the interior or the exterior side of the film wherein the substrate comprises:

a polymeric woven fibrous material or a polymeric non-woven fibrous material,

a woven fibrous material or a non-woven fibrous material comprising metal fibers,

a woven fibrous material or a non-woven fibrous material comprising glass fibers, or

a woven fibrous material or a non-woven fibrous material comprising carbon fibers;

a polymer backing to attach the substrate to the film, the polymer backing comprising one of polyolefins, polyurethanes and nylons;

an outer protective layer disposed on the outside of the substrate to encapsulate the substrate; and

a gas impermeable layer disposed intermediate to the substrate and the outer protective layer, the gas impermeable layer comprising ethylene vinyl alcohol, wherein the biocontainer has at least two walls and an inner volume defined by the at least two walls, the biocontainer being formed of the multilayered film.

2) The material of claim 1, wherein the polymeric woven fibrous material or polymeric non-woven fibrous material comprises one of nylon, polyesters, aramids, and polyolefins.

3) The material of claim 1, wherein the outer protective layer comprises polyethylene, polypropylene, nylons, ethylene vinyl acetate (EVA), EVA copolymers, styrene-butadiene polymers, polyesters, polyethylene terephthalate (PET), thermoplastic elastomers (TPEs) and polyurethanes.

4) The material of claim 1, wherein the outer protective layer is a tie resin layer.

5) The material of claim 4, wherein the substrate has a higher melting point than the tie resin layer.

6) The material of claim 1, wherein the biocontainer is a pillow type biocontainer, a 2D type of bag, or a 3D type of bag.

7) The material of claim 1, wherein the multilayered film includes one or more layers of polyethylene and one or more layers of gas impermeable polymers.

8) The material of claim 1, wherein the substrate has one or more openings formed in it to provide a device selected from the group consisting of a viewing port and a port.

9) The material of claim 1, wherein the substrate comprises an opaque or a light blocking material.

10) The material of claim 9, wherein the light blocking material is at least one of titanium dioxide, zinc oxide, or an organic ultra-violet light blocker.