

REPLACEMENT 5th-6th AUXILIARY REQUEST CLAIMS

1. A cell culture and cell recovery device for static cell culture comprising:

a cell culture compartment bounded by a growth surface and an opposing upper confine, said growth surface comprised of liquid impermeable gas permeable material, the bottom surface of said gas permeable material in contact with a growth surface support that holds the gas permeable material in a horizontal position during culture and allows ambient gas to contact the underside of the gas permeable material without being forced into contact,

a medium removal opening 1008 of medium removal conduit 1010 which resides near growth surface 1006; a cell removal conduit that is in contact with the growth surface including a cell removal opening that is located along the lower edge of the device and that acts to drain media and cells from low point in the device when the device is oriented in a cell recovery position in which the growth surface is not horizontal, and when the device is oriented in the static culture position the growth surface is in a horizontal position, the distance from said growth surface to said ~~cell-medium~~ removal opening is at least 0.2cm and less than half the distance from said growth surface to said upper confine.

~~2. The device of claim 1, wherein when said device is in the static cell culture position the distance between said growth surface and said medium removal opening is at least 0.2 cm.~~

~~32.~~ 32. The device of claim 1, wherein the distance between said growth surface and said medium removal opening is not beyond 2.0 cm.

~~43.~~ 43. The device of claim 1, including cells and media within the device, the device in a location with ambient gas suitable for cell culture and oriented in the static cell culture position.

~~5. The device of claim 4, wherein the cells include T-cells.~~

~~6. The device of claim 1, wherein said gas permeable material is comprised of silicone.~~

~~7. The device of claim 1 including more than one medium removal opening.~~

~~8. The device of claim 1, wherein said growth surface is non-porous.~~

~~9. The device of claim 1, wherein said device is clear to allow visual assessment.~~

~~10. The device of claim 1, wherein said device is rigid.~~