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(54) Title: DEVICE FOR ENHANCED DETECTION OF CELLULAR RESPONSE

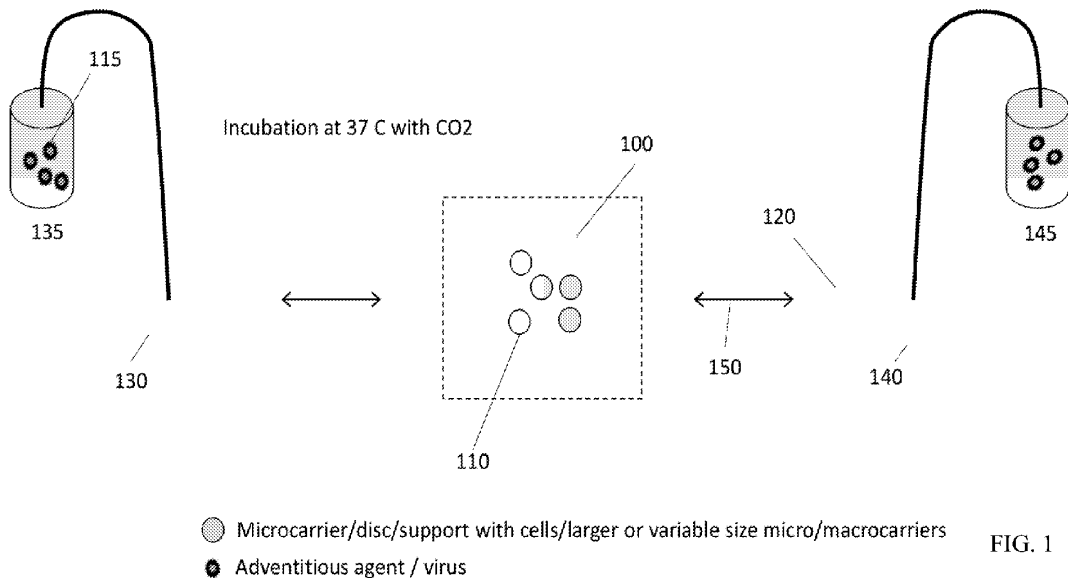


FIG. 1

(57) Abstract: Improved biomanufacturing devices, apparatuses and methods for using the same for monitoring biologic products such as biologics, vaccines, cell and gene therapies for viral safety and identification of cytopathic effect. In certain embodiments, the invention described herein enables the objective analysis of adventitious agents including adventitious viruses, bacteria and mycoplasma.

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