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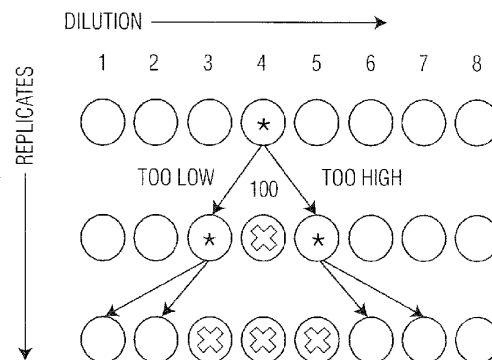


FIG. 1

(57) Abstract: The present invention is directed to intelligent algorithms, methodologies and computer-implemented methodologies for biophysical and biochemical cellular monitoring and quantification enabling enhanced performance and objective analysis of advanced infectivity assays including neutralization assays and adventitious agent testing using fluidic and optical force-based measurements.

[Continued on next page]

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