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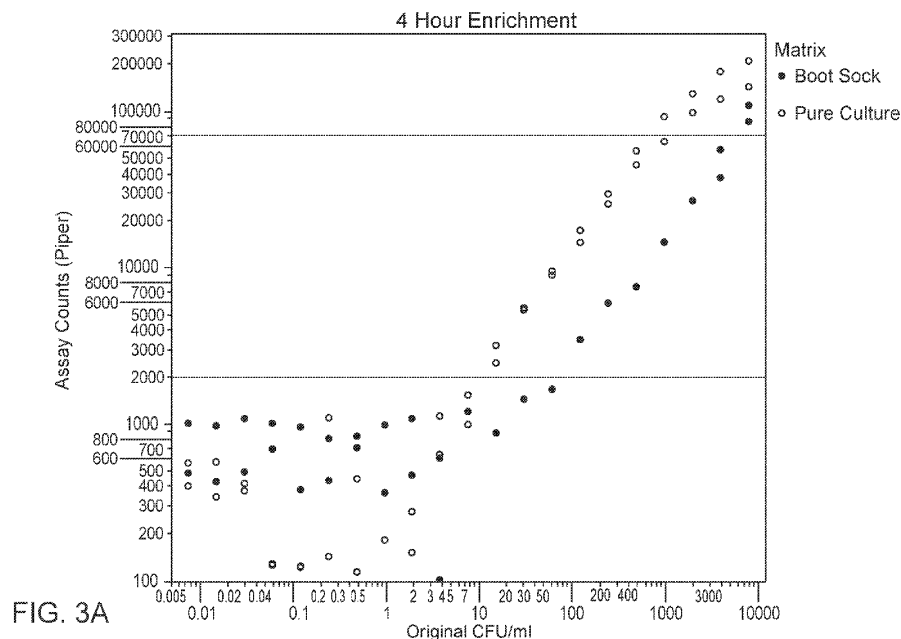
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(54) Title: SYSTEMS, DEVICES AND METHODS FOR DETERMINING MOST PROBABLE NUMBER IN BIOLOGICAL SAMPLE ANALYSIS



(57) Abstract: Embodiments of the present disclosure include systems, devices and methods for increasing the accuracy of an MPN, using assay instrumentation. For example, such embodiments can be accomplished by pre-loading the assays system with standard curves generated from measurements made with dilutions of known levels of pathogens. When such an approach is used, for each sample, the value from the last positive dilution and a calibrated assay count can both be used to provide a more accurate CFU per sample value than would be determined from just the last positive dilution alone.

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