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Declarations under Rule 4.17:

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(54) Title: FERROFLUID-BASED ASSAY METHODS, AND SYSTEMS FOR PARASITE EGGS OR OOCYSTS DETECTION

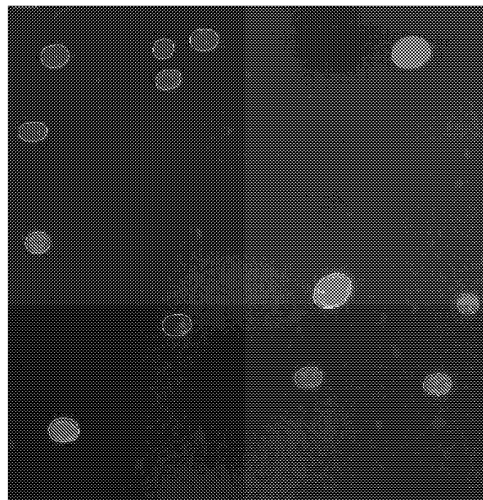


FIG. 14

(57) Abstract: Embodiments of the present disclosure are directed to ferrofluid-based assay methods, systems and device for detecting one or more parasite oocyst or egg, and more specifically, to detecting parasite oocysts or eggs in fecal matter of livestock, so as to determine parasitic infections within such livestock. Such embodiments are configured to help in the ability to maintain healthy livestock for human consumption.

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