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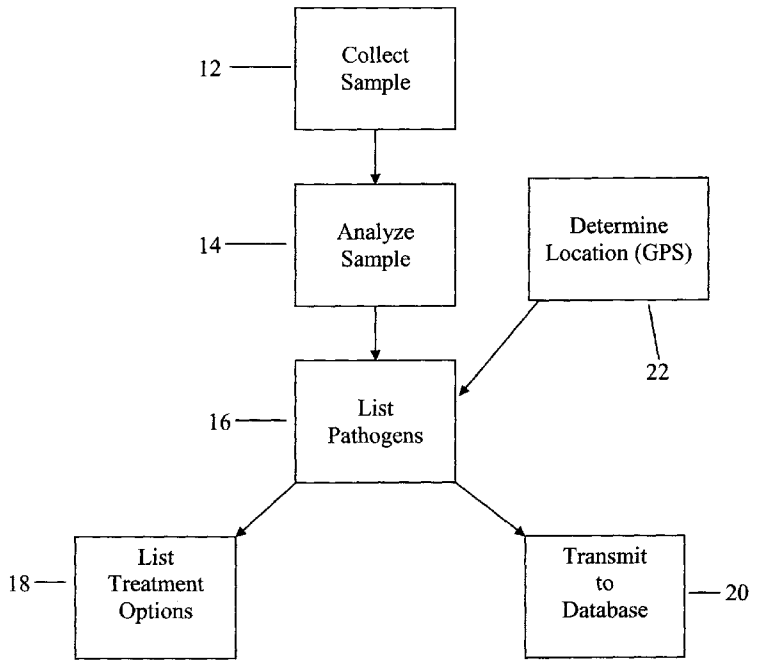
(54) Title: METHOD FOR DETECTING PATHOGENS USING MICROBEADS CONJUGATED TO BIORECOGNITION MOLECULES



(57) Abstract: A method and system are provided for the simultaneous detection and identification of multiple pathogens in a patient sample. The sample is combined with microbeads, which have been injected with quantum dots or fluorescent dye and conjugated to pathogen-specific biorecognition molecules, such as antibodies and oligonucleotides. Treatment options may be determined based on the identities of the pathogens detected in the sample.

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