

AIR SAMPLE Tracking System

ABSTRACT

A system for tracking air contaminants. The system comprises a contaminant-collection device; an identification tag associated with the contaminant-collection device, the tag encoded with identification information identifying the contaminant-collection device; a first location tag encoded with first location information identifying a first location in which the contaminant-collection device collects the air contaminants; a second location tag encoded with second location information identifying a second location of the contaminant-collection device after collecting the air contaminants; and a first identification reader. The first identification reader is configured to: scan the identification tag at the first location; decode the identification information encoded within the scanned identification tag; scan the first location tag; and decode the first location information encoded within the scanned first location tag. The system further comprises a second identification reader. The second identification reader is configured to: scan the identification tag at the second location; decode the identification information encoded within the scanned identification tag scanned by the second identification reader; scan the second location tag; and decode the second location information encoded within the scanned second location tag. The system still further comprises a processing device configured to: receive and store the decoded identification information from the first and second identification readers; receive and store the decoded first location information from the first identification reader; and receive and store the decoded second location information from the second identification reader system for tracking one or more subjects for collecting airborne contaminants.

[Fig. 2]