



QUAKE
GLOBAL

HEALTHCARE | PATHOLOGY

Every specimen accounted for

RFID specimen tracking from collection to laboratory accessioning

Quake Global technology gives care teams time and location visibility across specimen transport. Automated reads, late-specimen alerts and batch accessioning help reduce manual effort and support faster response when a specimen does not arrive as expected.

Peer-reviewed implementation conducted at Mayo Clinic. [View study](#)

DOCUMENTED STUDY OUTCOMES

75%

fewer reported mislabeling events after implementation

>85%

lower specimen tag and label expense in the upgraded workflow

<30 min

to locate each of three potentially lost specimens after an alert

<12 mo

projected return on investment for continuation and expansion

Source: Norgan AP, et al. Arch Pathol Lab Med. 2020;144(2):189-195. doi.org/10.5858/arpa.2019-0011-OA
Study conducted at Mayo Clinic. Quake Global supplied UHF RFID readers. The publication does not represent Mayo Clinic endorsement or guaranteed results.



Visibility from collection to accessioning

The study combined integral RFID and barcode labels, strategically placed Quake Global readers, and interfaces with the electronic health record and laboratory information system.



Integral RFID + barcode label

HOW THE WORKFLOW CONNECTS

01

Order + label

The EHR order triggers an active record and prints one RFID and barcode label at the point of care.

02

Automated transit

Readers capture time and location at key collection, transport and receiving points without line of sight.

03

Exceptions surfaced

Configured transit intervals trigger clean-sweep and late-specimen alerts for targeted follow-up.

04

Lab receipt

The tracking platform passes required information to the laboratory system for batch accessioning.

What healthcare teams gain

Patient safety

Earlier visibility into delays and potential specimen loss.

Operational response

Last-known location data focuses searches and reduces disruption.

Workflow efficiency

Batch reads and automated accessioning reduce manual handling.

Scalable deployment

The study expanded across GI/CRS, radiology and dermatology workflows.

STUDY DEPLOYMENT

55,953 specimens tracked in six months **170** point-of-care printers **37** RFID readers

Discuss your specimen tracking workflow

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