

Customer Case Study



Improving workflow for fecal immunochemical testing (FIT)

The laboratory of Sassari Hospital streamlined its testing process by introducing a new test

Azienda Socio-sanitaria Locale 1



Sassari, Italy



Lab Profile

Clinical pathology lab in multidisciplinary public hospital

- Serves area of 300.000 inhabitants.
- Analyzes 200.000 tests per year.
- Responsible for the CRC Screening test in the province.
- 11 staff members, working 6 days/week.
- Equipment: Atellica Solution.



Challenges

- Traditional FIT testing requires waiting until a full batch of samples (# 48 in our case) is available before starting analysis.
- FIT samples are delivered in sealed tubes requiring manual uncapping before testing.
- Batch testing requires significant operator's time for manually uncapping, loading samples on the analyzer.



Risks

- Waiting for a batch of 48 samples increases the risk of delayed diagnosis, which can negatively impact patient outcomes and satisfaction.
- Manual uncapping of FIT sample tubes increases the risk of operator exposure to fecal material, which can lead to discomfort, contamination and reduced workplace safety.
- Manual operations induced by batch testing increase the risk of slower sample processing and longer turnaround times, reducing overall workflow efficiency in the lab.

[Learn more about our oncology assays](#)

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Solution

- ✓ No manual pre-analytical preparation
- ✓ Visual inspection for sample integrity
- ✓ Fully automated from collection tube
- ✓ Simple design for patient use
- ✓ No preparation required
- ✓ Easy, convenient and hygienic



Patient Sample Collection Tube
Sentinel FOB Gold® Tube Screen

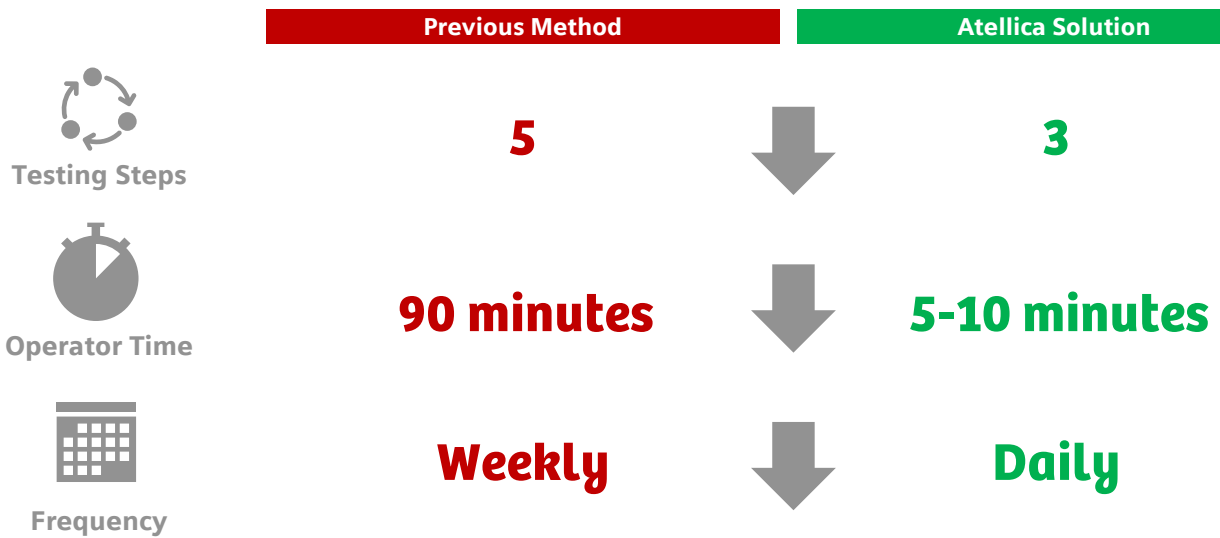


Atellica CH Sentinel® FIT
Alliance Application
Sentinel FOB Gold® NG Wide



Outcomes

From sample reception to patient report:



✓ Improved safety and hygiene
No contact with patients' samples

✓ Increased productivity and streamlined process
Saving 80 minutes of operator work

✓ Enhanced efficiency through continuous loading
Enabling daily FIT testing instead of weekly

"The possibility to run the test automatically, without manual decapping of the tubes, is very convenient. The throughput is higher than the current system, so overall, it saves significant operator time and eliminates the risk of direct contact with fecal samples."



Dott.ssa Elena Rimini
Lab Director S.S.D.
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The statements by Siemens Healthineers' customers described herein are based on results that were achieved in the customer's unique setting. Because there is no "typical" hospital or laboratory and many variables exist (e.g., hospital size, samples mix, case mix, level of IT and/or automation adoption) there can be no guarantee that other customers will achieve the same results.

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