



MILESTONE
H E L P I N G
P A T I E N T S



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YOUR VISION.
OUR INSPIRATION



SAFETY AND TRACEABILITY FOR BIOSPECIMEN COLLECTION



SealSAFE

Automatic Filling and
Vacuum Sealing System

BIOSPECIMEN COLLECTION MADE SAFE AND DOCUMENTED

I BIOSPECIMEN COLLECTION

Today, even the most advanced surgery rooms and pathology laboratories struggle to handle the histology specimens safely and to track them right from the collection point. SealSAFE is the world's first automatic system that addresses all these needs with the possibility to seal biospecimens under vacuum with or without fixative within a single platform. This innovative patented technology allows operators to handle histology specimens in full safety, as the injection of fixative and the sealing process are completed in the closed and ventilated cavity of the unit. SealSAFE standardizes and documents the entire process, thus becoming an asset in several departments such as surgery room, pathology accessioning and even in the grossing area to archive the leftovers.

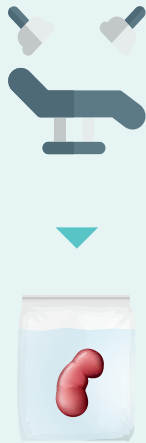


Specimen ID, time and temperature monitoring smart tool for **documented transportation**

I STANDARDIZED AND FULLY DOCUMENTED PREANALYTICAL STEP

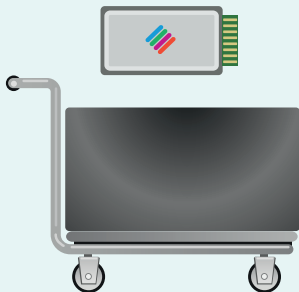
Optimal preservation and reliable tracking of specimens are crucial for any pathology laboratory. SealSAFE allows to entirely standardize and automatize the specimens' collection and transportation whilst ensuring perfect preservation of the sample. SealSAFE also secures the chain of custody, enabling the tracking of the specimens' data from their collection in the surgical theatre to the accessioning in the pathology laboratory.

OPERATING ROOM



1. SPECIMEN COLLECTION

SealSAFE is designed to be within reach of the operating room to allow specimens to be collected easily and safely. The SealSAFE seals the sample under vacuum with or without the injection of fixative and prints a label with the most relevant information (CaseID, User, sample's weight, fixative quantity, etc...) for complete documentation.



2. SPECIMEN TRANSFER

The specimen is then transferred from the operating room to the pathology lab. The correct and controlled transport of biospecimens is pivotal to ensure the preservation of the tissue. The Milestone **Data Logger Card** records both time and temperature during transit, ensuring documented conditions of transportation. Dedicated cool boxes and portable refrigerators for the transport of fresh specimens are also available.



PATHOLOGY LAB



3. ACCESSIONING

The specimen arrives in the pathology lab along with all relevant information about its collection and transfer. The pathologist has direct access to the documentation of the previous steps, ensuring full traceability and proper preservation of the biospecimen.

| ZERO FORMALIN EXPOSURE

In the OR, operators are often exposed to formalin during the collection of specimens. SealSAFE completely removes such exposure and contact. The under vacuum collection of the biospecimen eliminates the use of formalin altogether, maintaining the tissue in its "as fresh" condition. Alternatively, the SealSAFE also allows the collection under vacuum with formalin. This process automatically loads the fixative into the dedicated bag and then seals it under vacuum - with zero formalin exposure for the operator.



| LESS SPACE, LESS WASTE

The use of robust plastic bags dramatically reduces the space for storage at the accessioning stage as well as for archiving: compared to the traditional buckets, SealSAFE bags take up less than 80% of space. Furthermore, the use of the bags dramatically decreases the volume of waste thus saving costs on waste management. When disposed, the plastic material used for the bags is dioxin-free, reducing the impact on the environment.

- » **Designed for any specimen.** Available in 6 different dimensions, SealSAFE bags fit any kind of specimen.
- » **High durability.** Double layered and thick special plastic material guarantees high flexibility and resistance to perforation.
- » **Multiple resealing.** Three pre-set sealing areas enable multiple use of the bags.
- » **Information always at hand.** Sealable document pouch for patient information; SealSAFE label with case ID, date, time, specimen and fixative weight, etc.
- » **Easy handling** due to self-standing base.





STANDARDIZED PREANALYTICAL STEP

FULLY DOCUMENTED PROCEDURE

ZERO FORMALIN EXPOSURE

LESS SPACE, LESS WASTE

| MILESTONE'S SOLUTIONS FOR BIOSPECIMEN COLLECTION



TissueSAFE plus

Biospecimen Vacuum System



UltraSAFE

Automated Formalin Dispensing System for Biospecimens

| ENHANCE SPECIMEN TRACEABILITY

Through the Data Logger Card, operators can monitor time and temperature during transportation, assuring that accurate documentation is promptly available at accessioning and during grossing.

Milestone MileWATCH software allows the tracking and monitoring of the process within Milestone systems and provides instant notifications in case of need.



Data Logger Card

Time and Temperature Monitoring System



MileWATCH

24/7 Monitoring and Tracking

MILESTONE HELPING PATIENTS

Milestone is a company headquartered in Northern Italy and was founded in 1988 as a corporation specializing in advanced microwave instrumentation for analytical and organic chemistry labs. As the technology leader in pre-analytical instrumentation, Milestone supports a worldwide installed base of over 25.000 systems. In 1994, Milestone established a separate Medical Division to expand our expertise in the crucial pre-analytical phase to the world of histopathology. We pioneered the first microwave rapid tissue processor for same day diagnosis and the first macro-digital system to enhance the grossing step. Today, our rapid tissue processors, macro-digital imaging systems, and pre-analytical instrumentation are used every day in the most renowned clinical and research laboratories around the world. But we never stop. We continue to lead the industry with constant innovation and improvement. Driven by the leading principle we live by, Helping patients.

MILESTONE



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