



UltraSAFE

Automated Formalin Dispensing System
for Biospecimens



SYSTEM IDENTIFICATION DATA

Manufacturer	Milestone S.r.l.
1 st unit on the market	2020
Model	REF 107000
Description	UltraSAFE REF 107000 (100-240V~ 50/60Hz) 1Ph
European Medical Device Nomenclature	W02079099

CONFORMITY OF APPLICABLE DIRECTIVES AND REGULATION

CE – IVD (Declaration by Milestone s.r.l.)
REGULATION (EU) 2017/746 – IVDR
LOW VOLTAGE DIRECTIVE 2014/35/EC

QUALITY SYSTEM

UNI EN ISO 9001:2015
UNI CEI EN ISO 13485:2016

GENERAL CHARACTERISTICS

Intended uses	<p>UltraSAFE is an automated system for the dispensing of formalin for histological specimens designed to perform the following applications in histopathological laboratories:</p> <ul style="list-style-type: none">• Preservation and transportation of biological specimens and their supports and/or containers in fixative.• Fixation before grossing in the Grossing Room with a defined quantity of fixative in the bucket.• Long-term specimen preservation (if required with a defined quantity of fixative in the bucket).
---------------	---

TECHNICAL SHEET

SKT081-005



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

Cabinet	<ul style="list-style-type: none">• Heavy duty stainless steel / Aluminium white painted by antimicrobial powder coatings to inhibit microorganisms growth, formulated with silver ionic technology• Sealed containment in the event of spills or pump failure problems• Design without sharp edges
Formalin loading / dosing system	<ul style="list-style-type: none">• Dispensing area for the fixative with ventilation• Locking of the chamber door during the fixative dispensing step• Double ventilation, one in the dispensing area and one in the reagent drawer area• Additional ventilation located in the dosing area during the bucket filling phase• Front drawer for easy access to tanks with liquid containment capacity• Space available for 4 tanks (maximum 20 litres each one)• Possibility of selecting the tank to be used to allow the simultaneous use of different fixatives and / or preservatives solutions• Auxiliary connection for an external tank• Dosing system for 1/3/5/10 liters buckets specific for UltraSAFE units, with unique 2D barcode for capacity recognition and sample traceability
Self Standing Filtering system formalin fumes	<ul style="list-style-type: none">• Hepa 14 Filter high efficiency (99.995%)• Activated carbon filter with 2 cartridges (approximately 28Kg - 61.75lb of activated carbon) Cartridge dimension 450x200x200mm (17.7" x 7.87" x 7.87").• Possibility of connection to centralized extraction system (unit outlet Ø60mm)
Touch control terminal	<ul style="list-style-type: none">• Colour display 10" wide screen• Resolution 1280 x 800• Capacitive Touchscreen• 4GB• DUAL CORE CPU 1.33GHz• Windows™ 10 IoT Enterprise LTSC 64bit• Software Milestone with graphic interface and icons

TECHNICAL SHEET

SKT081-005



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

I/O ports:	<ul style="list-style-type: none"> • 2x USB 2.0 ports • LAN Ethernet port 10/100/1000 Mbps RJ45 • Remote alarm connection • Integrated card reader for temperature monitoring system
Printer	<ul style="list-style-type: none"> • 203 dpi best printing quality • ABS casing with a front cover • Linerless label
Barcode reader	<ul style="list-style-type: none"> • 1D and 2D code reading
Accessories / Consumables	<ul style="list-style-type: none"> • REF 107021 Ultrasafe Bucket 1L (kit 120) • REF 107022 Ultrasafe Bucket 3L (kit 40) • REF 107027 Ultrasafe Bucket 5L (kit 25) • REF 107440 Ultrasafe Transparent Bucket 1L (kit 120) • REF 107443 Ultrasafe Transparent Bucket 3L (kit 40) • REF 107446 Ultrasafe Transparent Bucket 5L (kit 25) • REF 107464 Ultrasafe Bucket 10L (kit 12)

PRODUCT DIMENSIONS

Dimensions	WxDxH 730mm × 1000mm × 1910mm (28.7" x 39.4" x 75.2")
Weight	260kg (573 lb)

GENERAL CHARACTERISTICS

Power supply	Single phase 100-240V~ 50/60Hz, Power input 300W – 1024 BTU/h max
Altitude	Up to 2000m
Working temperature	15°C to 30°C
Relative humidity	From 10% to 80%, non-condensation
System of residual gas expulsion	25 m ³ /h ±5%

UltraSAFE

2022-06-28

The manufacturer reserves the right to change and/or improve specifications without notice and without incurring in any obligation.

Distributed by Abacus dx

1800 ABACUS (AUS) 0800 222 170 (NZ) | info@abacusdx.com | www.abacusdx.com

abacus dx