



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



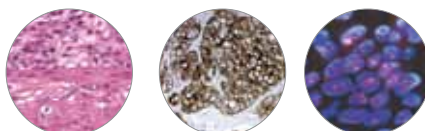
LOGOS J

The right tool for the “lean” lab

The first personal hybrid tissue processor

All-in-one: Quality. Speed. Flexibility.

The processor that did not exist. But was needed.



The LOGOS J is the result of a philosophy that sets a new standard in the field of tissue processing.



LOGOS J as...

Milestone has matched the unarticulated needs of users with technological possibilities that open new doors.

... a dedicated rapid tissue processor for stat, urgent or transplant biopsies, for results within 50-60 minutes.

... a rapid, flexible, tissue processor for biopsies (up to 3mm) to level-out the work load in the lab.

... an optimized conventional resistance heated processor for HER-2, ER, PgR according to ASCO and CAP guidelines.

... a dedicated, optimized rapid tissue processor for specific specimens: prostate, skin, gastric, ...

... a fully automated bone marrow processor for turn around time within 24 hours.

... your application



The challenge: improving the workflow of the laboratory.

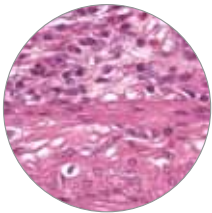
In today's histology labs, the workload consists approximately of 35-50% small biopsies (below 3 mm) and 40-50% surgical specimens. Transplant and urgent biopsies that require a rapid turnaround time are a minority of the total workload. This small number of biopsies interferes with the routine workflow of the laboratory. Large capacity conventional tissue processors do not fulfill the requirements for the speed and flexibility needed to effectively improve the workflow of a laboratory and address these specific workflow streams.

The LOGOS J: Milestone meets the challenge.

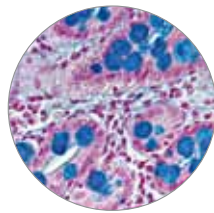
There are times in the gradual evolution of a technology that a leap forward occurs that is of such magnitude and significance that it is completely unforeseen as being within the realm of capability. This is what LOGOS J represents.

✓ Unmatched quality

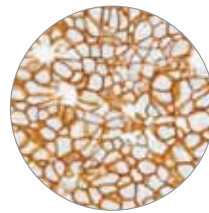
LOGOS J processes biopsies with specific optimized protocols to consistently assure the highest standard of quality.



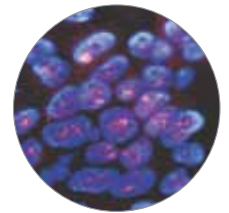
Colonic biopsy, microwave processed in 30' H&E (x 400)



Bowel biopsy, microwave processed in 90'. Alcian blue microwave staining (x 400)



Breast cells HER2 amplification detection by IHC. Hematoxylin counterstain (x 400)



Breast cells HER2 amplification detection by FISH processed by microwaves (x 800).

✓ Unmatched processing times

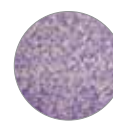
Faster than conventional processing



Transplant
50 minutes including fixation



1 mm
65 minutes including fixation



3 mm
3 hours 10 minutes including fixation

✓ Unmatched processing flexibility

From 1 up to 42 cassettes



The LOGOS J rack consists of 3 segments of 14 cassettes each to allow the flexibility to fit any workload requirements.

LOGOS J . The right tool for the “lean” lab.

Implementation of the “lean” lab requires optimized dedicated instrumentation than can be flexibly handle the needs of specific work streams.

The LOGOS J addresses the need for a bench-type, compact, flexible load, rapid tissue processor that existing instrumentation does not fulfill.

LOGOS J is a new “lean” enabling tool which allows innovative solutions to solve workflow problems in histology laboratories.



Day Operation (1). Urgent specimens.

As a fully automated, single retort, **rapid hybrid tissue processor**

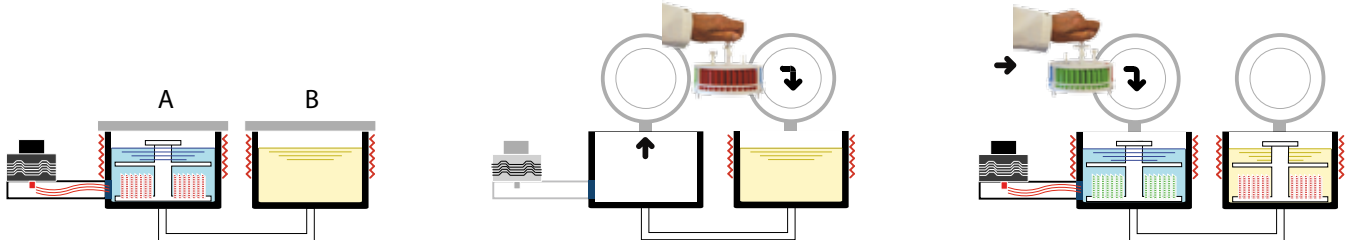


During the day, LOGOS J can run urgent biopsies with hybrid microwave technology as a fully automated unit. Molten wax is transferred automatically to and from retort A for impregnation. Dedicated single batch runs with short cleaning cycles.



Day Operation (2). Higher throughput.

As a sequential, dual retort, **simultaneous batch hybrid tissue processor**



- 1 The first rack is processed in the dehydration/clearing retort A
- 2 At the end of the cycle, the rack is manually transferred to the wax retort B
- 3 A new rack is placed in the retort A. The two racks are simultaneously processed.



Night Operation. Bone marrow.

Fully automated, bone marrow processor for 24-hour diagnosis



During the night, LOGOS J will process bone marrow specimens through the fixation, decalcification, dehydration clearing and impregnation steps in a fully automated mode. The specimens will be ready in the early morning for cutting, embedding and staining to allow 24-hour diagnosis.

LOGOS J. Software like never before.

We could not make it more intuitive.



Intuitive touch display.



- 1 Enter the appropriate user level. The administrator can modify programs or store new ones. The operator can recall and run existing processing protocols.



- 2 Icon-driven. User friendly.



- 3 Administrator can easily setup a new protocol by selecting through the multiple choices available for each step



- 4 The complete summary of the new protocol is displayed for approval or modification before starting the process.



- 5 An events log lists all activities carried out with the unit for documentation, service and quality assurance purposes.

LOGOS J. Green, safe and economical.

Packed with the latest technology
for an improved work environment.



*Up to 10 quick disconnect 2.5 l
reagent tanks*

*Heated, PTFE coated, internal
surface to avoid condensation
of reagents for consistent
processing and enhanced
operator safety*

*Touch-screen, icon-driven
control terminal*

Microwave retort

Wax retort

*Easy, safe transfer
of exhausted wax
through heated PTFE
connector*



**Open system.
No proprietary
reagents
commitments.
Use of histology
grade wax.**

Milestone world market leadership

- ✓ Largest installed base of microwave tissue processors
- ✓ Over 1,600 units in operation worldwide
- ✓ The “de facto” standard in rapid processing
- ✓ Lowest cost of ownership
- ✓ Highest quality of application and service



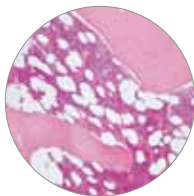
Fully automated bone marrow processing for 24-hour diagnosis.



Hours, not days!



For the first time fully automated fixation (formalin), decalcification (formic acid, EDTA), dehydration, clearing and impregnation of bone marrow samples can be carried out within 24 hours.



Bone marrow, EDTA, H&E x 100



Total processing time (fixation to impregnation) for bone marrow specimens of 1.8 mm diameter (11 gauge)

Decalcifier	Temperature	Time
Formic acid 10%	37°C	4h 5'
Formic acid 10%	50°C	3h 10'
EDTA 10%	37°C	20h
EDTA 10%	50°C	5h 30'

MILESTONE



HELPING
PATIENTS

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