

The PathTezt™ 2000 PROCESSOR

SPECIFICATONS

	PathTezt™ 2000 Processor	Waste Bottle
Dimensions	W = 18.5" / 47 cm	W = 6" / 15 cm
	H = 19.5" / 50 cm	H = 17" / 43 cm
	D = 12.5" / 32 cm	D = 6" / 15 cm
Weight	20 kg (approx.)	
Clearance	Front = 0" / 0 cm	Front = 1" / 3 cm
	Rear = 3" / 8 cm	Rear = 1" / 3 cm
	Side(ea) = 3" / 8 cm	Side(ea) = 1" / 3 cm
	Top = 3" / 8 cm	Top = 0" / 0 cm
Operating Temperature	15 - 32°C	
	59 - 90°F	
Operating Humidity	20% - 90% RH	
	non-condensing	
Electrical Voltage	240V AC at 3A	
Frequency Power	50/60 Hz	
	Maximum 200 watts	

Distributed by:



Manufactured by:
BIOCYTECH
Corporation

For more information: www.pathtezt.com ; www.biocytech.com
e-mail: info@biocytech.com

PathTezt™ 2000



Is intended as a replacement for the conventional method of Pap smear test for use in screening for the presence of atypical cells, cervical cancer, or its precursor lesions (LSIL, HSIL).

Test of choice! 3A :

Approved Pap smear test
Affordable Pap smear test
Accuracy Pap smear test

PathTezt™ 2000 liquid-based cytology gives you more confidence in Pap results



- One sample: significant tests
- For Cervical Cancer screening test.
 - Is approved for use for HPV DNA reflex testing.
 - Allows testing for Chlamydia and Gonorrhea from the same sample collected.



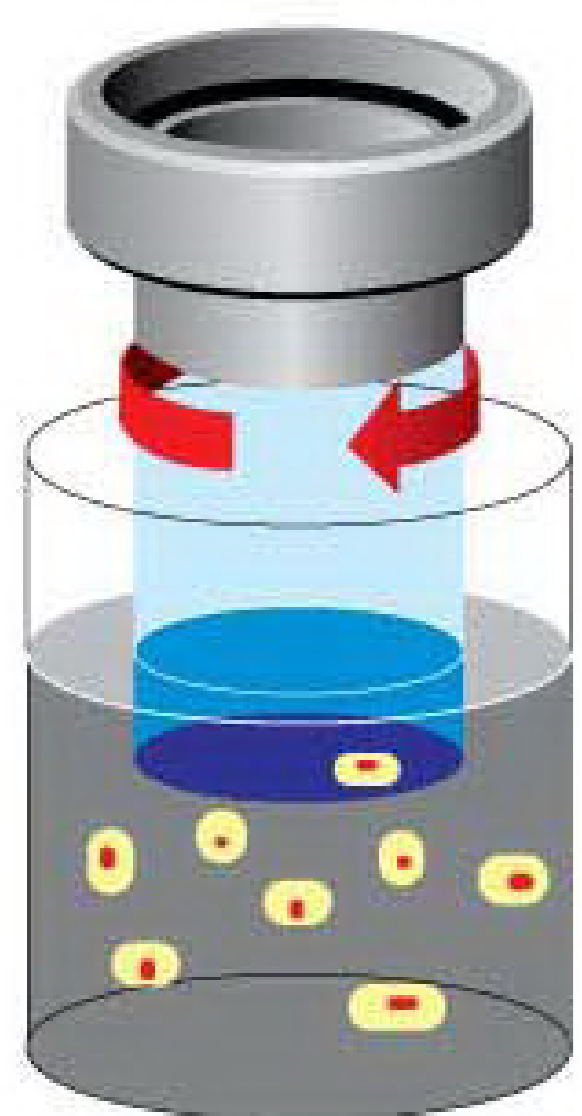
PathTezt™ microscope slides are special made from a revolutionary new adhesion positive charges technology, the PathTezt glass slide are form a positive charged surface that permits covalent coupling of negative charged samples.

www.biocytech.com
www.pathtezt.com

Manufactured by
BIOCYTECH
Corporation

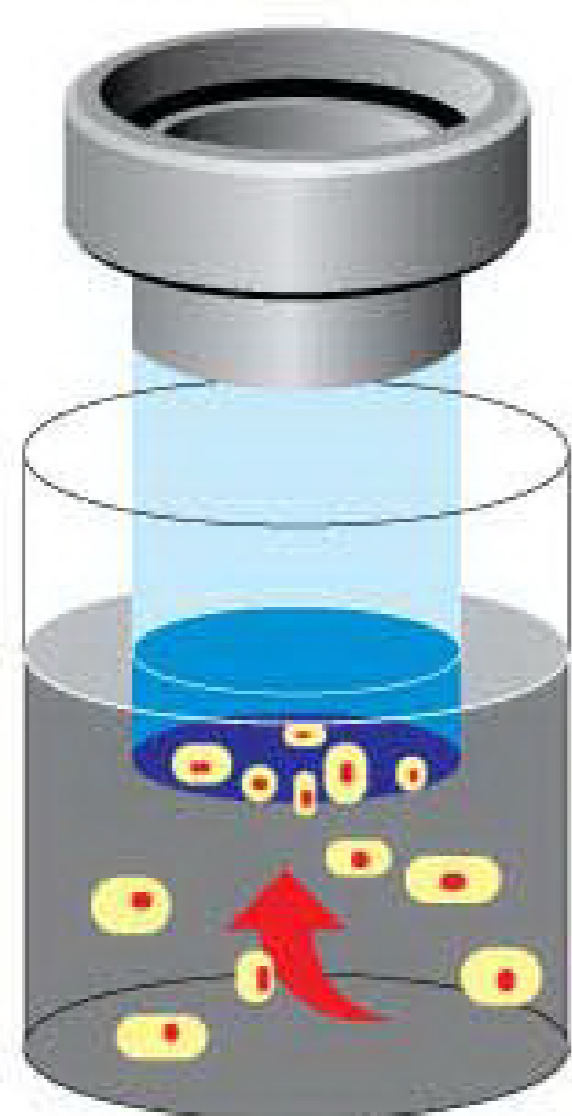
The PathTezt™ 2000 PROCESSOR

The PathTezt™ 2000 PROCESSOR makes use of mechanical, pneumatic, and fluidic principles for cell dispersion, collection, and transfer. A rotary drive mechanism gently disperses samples. A pneumatic / fluidic system, controlled by a microprocessor, monitors cell collection. Electrochemical principles, the pneumatic and fluidic systems, the natural binding qualities of cells, and the qualities of both the Gyn Filter (clear) and the Non-Gyn Filter (blue) are responsible for cell transfer.



(1) Dispersion:

The filter rotates within the sample vial, creating currents in the fluid that are strong enough to separate debris and disperse mucus, but gentle enough to have no adverse effect on cell appearance



(2) Cell collection:

A gentle vacuum is created within the filter, which collects cells on the exterior surface of the membrane. Cell collection is controlled by the PathTezt™ 2000 Processor software that monitors the rate of flow through the Filter



(3) Cell Transfer:

After the cells are collected on the membrane, the Filter is inverted and gently pressed against the PathTezt™ Microscope Slide. Natural attraction and slight positive air pressure cause the cells to adhere to the PathTezt™ Microscope Slide resulting in an even distribution of cells in a defined circular area.

The PathTezt™ 2000 System is built for highly reliable performance and easy installation, operation, and maintenance. There are built in advance capabilities equivalent to those of a 5.7-inch touch screen display to improve the efficiency of onsite operations.

The PathTezt™ 2000 System provides superior slide quality by:

- Controlling cellular density
- Distributing cells uniformly
- increasing cellularity
- Reducing obscuring elements
- Eliminating air-drying artifacts
- Maintaining cell architecture
- Improving cellular morphology
- Enhancing nuclear detail
- Retaining important background clues



PathTezt Comsumable:

PathTezt™ Comsumable:

Cervical-Brush

The Brush collects all essential cells for tracing the early stages of cervical cancer. The brush collects endocervical, ectocervical, and transformation-zone cells. The soft, flexible bristles prevent any internal injury during examination.

Gyn/Non-gyn Filter

- Unique filter: uniformly deposits cell across 20-mm circle.
- Novel turbidity curve delivers an average of 60,000 cells of slide.
- Thin planar cell layer, gentle pneumatic pressure system applies well-distributed cells of slide

PathTezt™ microscope Slides

PathTezt™ microscope slides are special made from a revolutionary new adhesion positive charges technology, the PathTezt™ glass slide are form a positive charged surface that permits covalent coupling of negative charged samples.

Preserve Cell Solution

The solution is specifically formulated, buffered, preservative solution designed to support cells during transportation.

The PathTezt™ 2000 Processor has several program modes in Programmable Logic Computer (PLC). two primary types of modes:

1. Sample processing sequences
2. Diagnostic

The sample processing sequences are used to process different kinds of specimens. The diagnostic modes are used to display the status of the instrument or to perform maintenance procedures. The Test Menu, shown below, is displayed whenever the instrument is in its ideal state.



Gyn specimens include:
Cervical Cancer Screening Test.

Non-gyn specimens include:
-Body Fluids/ Fine Needle Aspirates
-Superficial Brushings and Scrapings
-Mucoid specimens

