

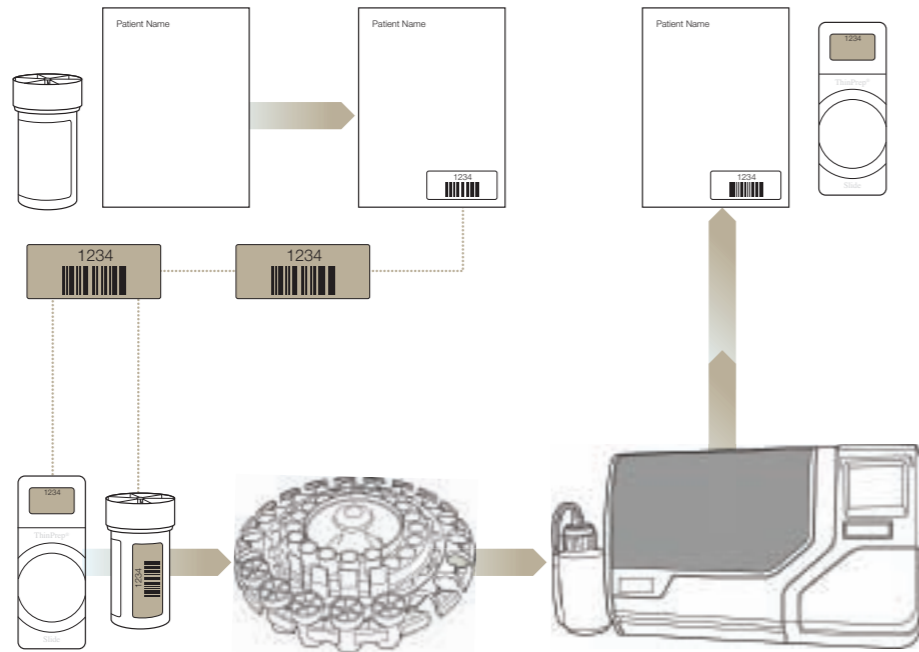
ThinPrep® 5000 Processor

Lab Workflow

The ThinPrep Pap Test Sample Vial and Request Form arrive at the laboratory

Corresponding labels containing unique ID numbers are placed on the Sample Vial, the slide and the Test Request Form

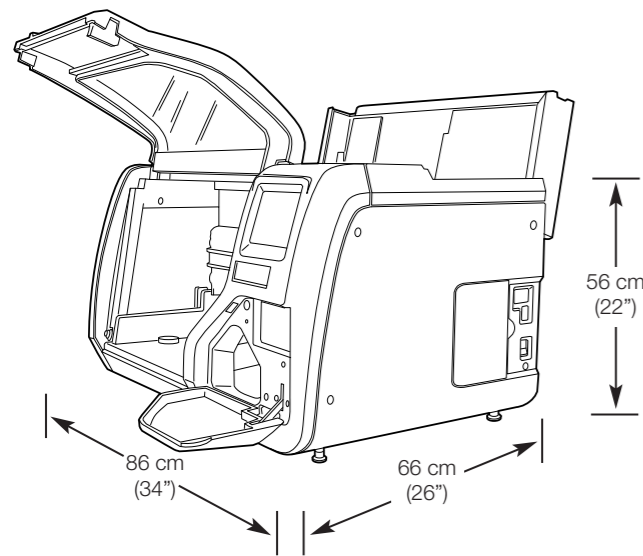
The Sample Vials and matching slides are loaded into the input carousel for processing



Case report form and slide are paired by the sample ID numbers and forwarded to the cytotechnologist

The ThinPrep 5000 Processor reads the barcode from the Sample Vial and matches this with the ID number on the slide. Once a match is confirmed, the sample is processed

Specifications



Instrument Dimensions	Width: 86 cm/34", Height: 56 cm/22", Depth: 66 cm/26"
Weight	80 kg/175 lb (approx.)
Waste container	Width: 15 cm/6", Height: 43 cm/17", Depth: 15 cm/6"
Operating Temperature	16 – 32°C / 60 - 90°F
Operating Humidity	20% – 80% RH non-condensing
Electrical Voltage	100/130 VAC at 2 amps 220/240 VAC at 1 amp
Frequency	47 – 63 Hz
Power	Maximum 240 watts
Clearances	Width: 94 cm/37", Height: 109 cm/43", Depth: 74 cm/29"

For full product details and purchasing enquiries please contact:

Ref: INT-08-003 Rev. B
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Specifications subject to change without notice.

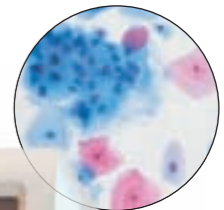
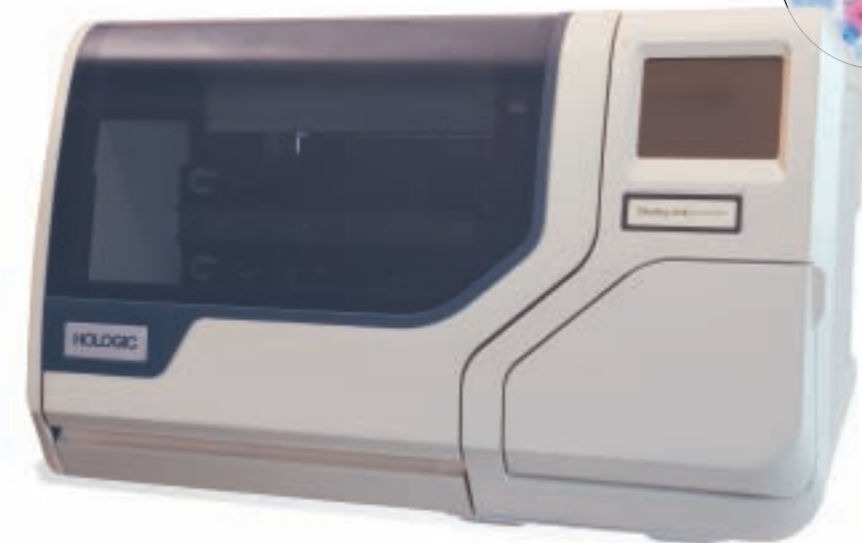
References:
1. Cytoc Corporation, The ThinPrep® Pap Test package insert.



Fully automated sample preparation

The ThinPrep® 5000 is capable of processing up to 20 gynaecological, general cytology or UroCyte™ samples per batch.

ThinPrep®5000
PROCESSOR



Processes slides utilising Controlled Membrane Transfer™ (CMT) for a randomised, representative thin-layer presentation



The ThinPrep® 5000 Processor utilises proven ThinPrep technology for cell dispersion, collection and transfer.

Features

- Chain-of-custody verification eliminates possibility for sample mix-up
 - Instrument matches the barcode on vial with the label on slide to ensure sample is placed on correct slide
- User friendly, easy to operate
- Walk away automation
- Able to process between 1 and 20 samples per batch allowing flexible walk away automation
- Supports processing of multiple slides per vial
- Automated vial handling enables operator to simply load and leave
- Batch processing may be interrupted in order to run an urgent sample

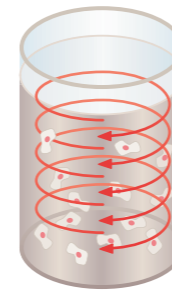
Throughput:

- Batch of 20 samples processed in approximately 35 minutes
 - Up to 35 slides per hour
 - 280 slides per day
 - 60,000 slides per year

* with a single 8 hour shift

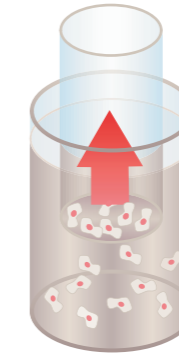


1 Dispersion:



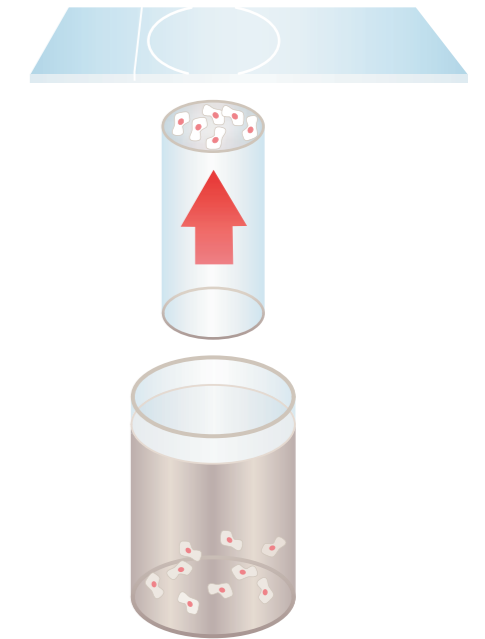
- The ThinPrep vial is spun creating currents that are:
 - Strong enough to separate debris and mucus, and randomise cells
 - Gentle enough to have no adverse effect on cell appearance

2 Cell Collection:



- The ThinPrep Pap Test Filter is inserted into the sample vial
- A gentle vacuum is created within the ThinPrep Pap Test Filter
- Cells are collected on the exterior surface of the membrane
- Cell collection is controlled by the ThinPrep 5000 Processor software that monitors the rate of flow through the ThinPrep Pap Test Filter

3 Cell Transfer:



- Following cell collection on the membrane, the ThinPrep Pap Test Filter is inverted then gently pressed against the ThinPrep Microscope slide to create a 20 mm defined circular area
- Natural attraction with computer controlled mechanical positioning and positive air pressure causes the cells to adhere to the ThinPrep Microscope slide resulting in an even distribution of cells in a defined circular area