


Thermo Scientific Cytology Solutions



the total solution
for cytology

Thermo
SCIENTIFIC



The ultimate, affordable system for thin-layer cell preparation



The Thermo Scientific™ Cytospin™ name has been synonymous with cyto centrifugation since the first launch in 1967. Used in over 16,000 laboratories worldwide, this simple, extremely reliable instrument provides economical thin-layer preparations from any liquid matrix. It is an efficient method for cell capture and produces excellent results with hypo-cellular fluids such as cerebrospinal fluid and urine.

Thermo Scientific
Cytospin 4 Centrifuge

What is Liquid Based Cytology?

Liquid Based Cytology (LBC) is a method of preparing cytological specimens by suspending the samples in a preservative collection fluid immediately after collection. It is also possible to process fresh, unpreserved samples received in the Cytology laboratory by following the Liquid-Based Cytology procedure.

The advantages of LBC are:

- Excellent cell fixation
- Elimination of interfering factors (eg: blood, mucus, proteins)
- Clean background for better evaluation
- Compatibility with ancillary techniques (eg: immuno-cytochemistry, molecular techniques)
- Highly concentrated cell-blocks from residual material, because of the enrichment of the specimen by the LBC procedure.



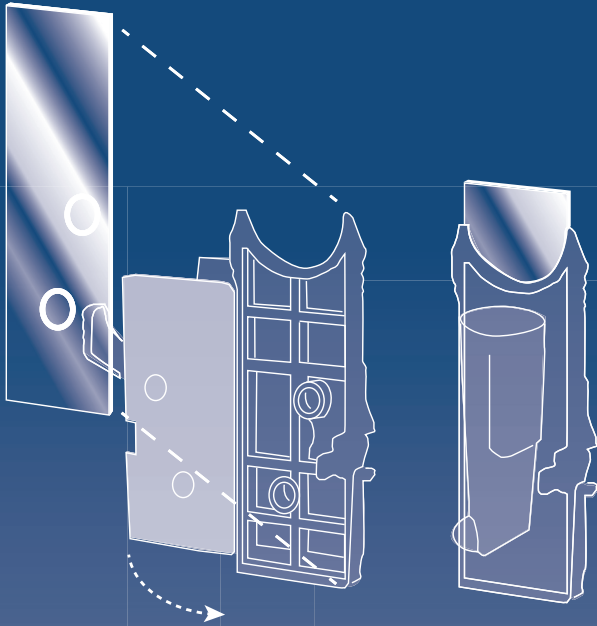
Features

- Processes twelve specimens at one time.
- Accepts all protocols from the Thermo Scientific™ Shandon™ Cytospin™ 1, 2 and 3.
- One-handed opening and closing lid mechanism. The Cytospin 4 will only operate when the lid is locked into position, and the lid remains locked throughout the whole rotation cycle.
- Sealed unit design prevents accidental fluid spillages from damaging electronic or mechanical components and allows for safe, easy disinfection.
- The Thermo Scientific Cytospin 4 Cytocentrifuge meets the stringent centrifuge safety standards of IEC 61010.
- Pull-out program card allows for up to nine programs to be logged for fast and convenient retrieval.
- Autoclavable sealed head, wipe-clean control panel and safety alarms protect the user and the samples.

Simple and Precise Controls

- Protected program memory stores up to 23 routines for instant recall and protects from power loss.
- Program key pad has “easy-touch” design that allows for easier keystrokes and more intuitive programming.
- Speed window displays the programmed spinning speeds from 200 - 2000 rpm.
- Three acceleration control buttons allow the operator excellent flexibility and exceptional protection for fragile samples.
- Time window displays the programmed and remaining run time from 1- 99 minutes.
- Control feature has a standby power saving mode. Displays are also turned on and off by the standby key.
- Specimen safety alarm feature has been added to remind users at one-minute intervals to remove specimens, protect them from “air-drying” and ensure consistent results.
- Safety alarms include an audible alarm that signals the operator if the Cytospin 4 is out of balance, outside the speed tolerance, or if the lid is not properly locked. As an extra measure of safety for the user, the unit will not spin if the lid is not locked.

▶ See page 8 for full Cytospin 4 ordering information.



How EZ Cytofunnels Work:

Designed for ease of use and efficiency, the single-use Thermo Scientific™ Shandon™ EZ Cytofunnel™ is an ideal solution for today's busy laboratories.

To use, insert the Thermo Scientific™ Shandon™ Cytoslide™ into the EZ Cytofunnel. Twelve EZ Cytofunnel assemblies fit into the Cytospin 4 head.

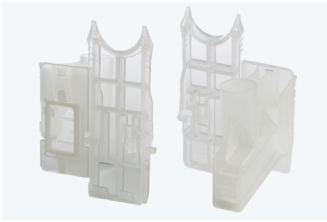
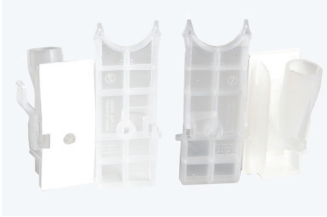


After cytocentrifugation, simply remove the EZ Cytofunnel from the Cytospin head. The assembly easily opens to remove the slide and dispose of the sample chamber.

A simple principle for excellent presentation

Thermo Scientific Cytofunnels and Slides

Thermo Scientific Shandon Cytofunnels

The original, trusted, easy-to-use funnel

	Description	Quantity	Catalog Number
	Thermo Scientific Shandon EZ Megafunnel	25 / Box	ALPA78710001
	<ul style="list-style-type: none"> Designed for convenient preparation of larger volume samples, up to 6 ml Minimizes need to pre-centrifuge Cell deposition area of 22 X 14.75 mm (325 mm²) for increased cell yield Shandon™ Megafunnel Cytoslides™ included Can prepare both air-dried and fixed preparations providing valuable diagnostic information 		
	Thermo Scientific Shandon EZ Single Cytofunnel With white filter cards, caps included	40 / Box	ALPA78710003
		200 / Pack	ALPA78710020
	Thermo Scientific Shandon EZ Single Cytofunnel With brown filter cards, caps included	40 / Box	ALPA78710004
	<ul style="list-style-type: none"> Disposable sample chambers High-absorbency white filter cards can be used with sample volumes up to 0.5 ml Slower-absorbency brown filter cards can be used with sample volumes up to 0.4 ml Cell deposition area of 6 mm diameter (28 mm²) 		
	Thermo Scientific Shandon EZ Double Cytofunnel With white filter cards, caps included	40 / Box	ALPA78710005
		200 / Pack	ALPA78710021
	<ul style="list-style-type: none"> Disposable sample chambers Allows two sample deposition areas on a single slide Double the number of presentations per run Funnel markings correspond to slide markings for simple identification Pre-attached filter card 		

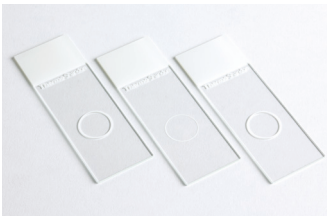
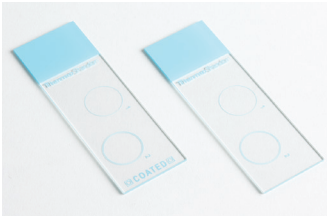
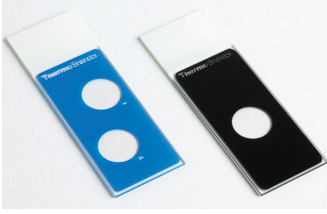
Thermo Scientific Shandon Cytoslides

Cytoslides




- Specially designed slides for the Cytospin 4
- Specimen area is outlined for rapid location during screening
- All slides are 75 x 25 mm, made from high-quality optical glass

Coated Slides

- Eliminates the need for albumin coating procedures
- Saves labour and resource time

	Description	Quantity	Catalog Number
	Thermo Scientific Shandon Single Cytoslides	Single circle, coated, circle on back	100 / Box
		Single circle, uncoated, circle on back	100 / Box
		Single circle, uncoated, circle on front	100 / Box
	<ul style="list-style-type: none"> Specifically designed for use with Shandon EZ Single Cytofunnels White 12 mm diameter circle on the slide defines where cells will be displayed to allow for efficient and rapid location 		
	Thermo Scientific Shandon Double Cytoslides	Double circle, coated	100 / Box
		Double circle, uncoated	100 / Box
	<ul style="list-style-type: none"> Specifically designed for use with Shandon EZ Double Cytofunnels Each specimen is displayed onto the slide within a circle marked "1" or "2" which corresponds to markings on the EZ Double Cytofunnel chamber 		
	Thermo Scientific Shandon Mask Cytoslides	Single circle, black mask	100 / Box
		Double circle, blue mask	100 / Box
	<ul style="list-style-type: none"> Specifically designed for immunofluorescence Black coating masks out UV light so that only the specimen within the circle can be viewed through a microscope 		

Thermo Scientific Collection Fluids

	Description	Quantity	Catalog Number
	Thermo Scientific Cytospin Collection Fluid	4 L pump bottle	ALP6768001
		2 X 500 mL bottle	ALP6768315
		2 X 10 L cubitainer	ALP9990310
<ul style="list-style-type: none"> • Ready-to-use alcohol/CARBOWAX™ (PEG) combination for direct specimen collection and fixation • Permits storage of specimens or unstained slides for weeks without adverse effects • Packaged in several forms, including convenient pump bottle and pre-filled specimen cups 			
<p><i>Used for:</i></p>			
<ul style="list-style-type: none"> • Fixation and preservation of non-gyn specimens 			
<p><i>Specimen types:</i></p>			
<ul style="list-style-type: none"> • Primary fixative for urines • Secondary fixative for all kinds of non-gyn specimens after procedure with Thermo Scientific™ Cytorich™ Red collection fluid 			
	Thermo Scientific Cytorich Red Collection Fluid	4 L	ALPB9990800
		2 X 500 mL	ALPB9990801
<ul style="list-style-type: none"> • Ready-to-use alcohol-based fluid • An easy way to lyse RBC's and to solubilize proteins • High cell-yield and a clean background • Compatible with immunohistochemistry • Pre-filled containers available 			
<p><i>Used for:</i></p>			
<ul style="list-style-type: none"> • Bloody and proteinaceous fluids, • Lysing red blood cells and cleaning the background • Solubilising proteins • Softening mucus • Preserving cells 			
<p><i>Specimen types:</i></p>			
<ul style="list-style-type: none"> • All types of specimens where the red blood cells are not a diagnostic parameter • FNA's • Bronchial specimens • Brushes • Cyst fluids • Serous fluids 			
	Thermo Scientific™ Mucolexx™	4 X 500 mL	ALP9990370
		4 L	ALP9990371
<ul style="list-style-type: none"> • Ready-to-use mucoliquefying preservative • Liquefies (with agitation) mucoid Cytology specimens • Maintains cellular detail • Short-term preservation of specimens 			
<p><i>Used for:</i></p>			
<ul style="list-style-type: none"> • Liquefying mucoid specimens for easy processing • Preserving specimen 			
<p><i>Specimen types:</i></p>			
<ul style="list-style-type: none"> • Mucoid specimens and sputa 			

Thermo Scientific Shandon Cytoblock Cell Block Preparation System

Thermo Scientific™ Shandon™ Cytoblock™ Cell Block Preparation System is used in conjunction with the Thermo Scientific Cytospin and facilitates processing of FNA's, tissue fragments and cell buttons.



Description

Cytoblock Cell Preparation System

- Increases ability to process scanty or unseen material for cell block and reduces loss of critical material
- Suitable for immunohistochemical techniques
- Replaces time-consuming, costly agar and thrombin techniques
- Processes 50 specimens and includes 50 Cytoblock cassettes with inserts, 1 bottle of Setting Reagent and 1 bottle of Gelling Reagent

Catalog Number

ALP7401150

Replacement Reagents, 11 mL ea.

ALP7401151

Requires phosphate-free fixative on processor, such as Thermo Scientific™ Zinc Formal-Fixx™, Formal-Fixx or Glyo-Fixx™ (formalin substitute) fixatives; or manually fix and bypass phosphate-buffered formalin fixation steps on processor



Cytospin 4 Ordering Information

Description	Catalog Number
Thermo Scientific Cytospin 4 Cyto centrifuge	ASHA78300003

Physical Specifications

Dimensions (D x W x H):

With closed lid: 24.5 x 16 x 9.5" (62 x 40.5 x 24 cm)

With open lid: 24.5 x 16 x 25" (62 x 40.5 x 62 cm)

Weight: 26.5 lbs (12 kg)

Power Requirements: 100-240 VAC, 50/60 Hz, 1 Ph, 150 VA Max.

Includes

Cytospin 4 Cyto centrifuge, sealed head/rotor, marking pen, operator guide, service record book and standard workflow diagram.

Certifications and Compliance

IEC 61010, CSA, UL and CE Mark (IVDD compliant)



Thermo Scientific
Cytospin 4 Cyto centrifuge

Cytospin 4 Accessories

Description	Quantity	Catalog Number
Accessories	Quantity	Catalog Number
Additional Sealed Head	Each	ASH59910018
Sealed Head Seals	3 / pk.	ASH59910019
EZ Cytofunnel Starter Set		ALPA78710013
<ul style="list-style-type: none"> 20 Thermo Scientific Single White EZ Cytofunnels 20 Thermo Scientific Double White EZ Cytofunnels 25 EZ Megafunnels Thermo Scientific Cytoslides 		

For additional information on cytology stains, slides and funnels, please visit thermoscientific.com.

Maximise your efficiency with Thermo Scientific Coverslippers and Tissue Processors

Thermo Scientific™
CTM6™
Coverslipper



Thermo Scientific™
Excelsior™ AS
Tissue Processor

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For customer service, call 1300-735-292

To fax an order, use 1800-067-639

To email an order, ordersau@thermofisher.com

In New Zealand:

For customer service, call 0800-933-966

To fax an order, use 0800-329-246

To email an order, ordersnz@thermofisher.com

Find out more at thermoscientific.com/pathology

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