

PHC-3 Thermal cyclers, heated lid and accessories / Techne (Cambridge) Limited.

Contributors

Techne (Cambridge) Limited.

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Wellcome Collection
183 Euston Road
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PHC-3 Thermal Cyclers Heated Lid and Accessories



Techne
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PHC-3 Thermal Cyclers with Heated Lid

In addition to the highly successful Techne range of thermal cyclers the PHC-3 is now offered with a heated lid as standard. This latest development enables thermal cycling to be carried out without the need of a mineral oil overlay which is normally required to prevent condensation from the sample forming on the tube lid.

Three new models are now available with a heated lid as standard:



PHC-3 thermal cycler for 40 × 0.5ml microcentrifuge tubes complete with heated lid.

Ordering Information

Part No.	Description
FPHC3HD	Thermal Cycler please specify voltage required 100V, 120V or 240V



PHC-3 thermal cycler for 96 × 0.25ml micro reaction tubes complete with heated lid (see opposite for information regarding the use of micro reaction tubes).

Ordering Information

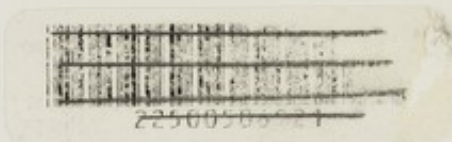
Part No.	Description
FPHC3HE	Thermal Cycler please specify voltage required 100V, 120V or 240V



PHC-3 thermal cycler for 40 × 0.25ml micro reaction tubes complete with heated lid (see opposite for information regarding the use of micro reaction tubes).

Ordering Information

Part No.	Description
FPHC3HG	Thermal Cycler please specify voltage required 100V, 120V or 240V



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Micro Reaction Tubes

The new Techne 0.25ml thin walled polypropylene micro reaction tube is designed to give rapid heat transfer from the thermal cycler block to the sample. The tube is sealed using the patented heat film seal giving a complete and positive seal thus eliminating contamination during the thermal cycling process. The sample is removed from the tube by simply piercing the film and inserting the pipette tip. (For information on the tube sealer FTS1D and heat seal film FTS1A see below).

When using the new Techne micro reaction tubes and tube seal film in conjunction with the heated lid, sample sizes of below 5 μ l have been shown to give suitable product yield, considerably reducing the cost of reagents.

Ordering Information

Part No.	Description
FTS3A	Micro reaction tubes pack of 1000



Tube Sealer

The Techne tube sealer enables the micro reaction tube FTS3A to be sealed using the heat seal film FTS1A. The temperature controlled plate of the sealer is pressed onto the rim of the micro reaction tube with the twin skin plastic film in between. The heat from the plate bonds the film to the tube sealing each tube individually. The sealing process takes approximately three seconds to complete.

Either a 40 or 96 aluminium tube plate is required to hold the tubes in position (see ordering information).

Ordering Information

Part No.	Description
FTS1D	Tube Sealer please specify voltage required 100V, 120V or 240V
FTS2A	40 tube plate
FTS2B	96 tube plate



Heat Seal Film

Supplied in packs of 100 sheets the twin skin film is used in conjunction with the heat sealer FTS1D and micro reaction tubes FTS3A. Each sheet will cover either a 40 or 96 tube format block.

The film is manufactured of polyester one side and polypropylene the second side.

Ordering Information

Part No.	Description
FTS1A	Heat seal film pack of 100 sheets



Retro Fit Heated Lids

To enable existing users of the PHC-3 thermal cyclers to use a heated lid, a conversion kit is available for the 40 tube versions (40 × 0.5ml microcentrifuge tubes or 40 × 0.25ml micro reaction tubes).

See information regarding the use of micro reaction tubes.

Each retro fit kit comprises the following:

1. **Thermal control module:** this is simply fitted to the back of the unit using existing fixing points. The module requires its own electrical supply.
2. **Heated lid and block surround:** the existing block surround is removed and replaced with the new surround and heated lid.
3. **Block well extensions:** the extensions are fitted to each tube well to eliminate condensation forming on the side walls of the sample tubes.

Ordering Information

Part No.	Description
FHL1D	Retro fit heated lid to suit PHC-3 thermal cycler with 40 × 0.5ml microcentrifuge tubes please specify voltage required 100V, 120V or 240V
FHL1E	Retro fit heated lid to suit PHC-3 thermal cycler with 40 × 0.25ml micro reaction tubes please specify voltage required 100V, 120V or 240V
Note: To convert a PHC-3 to take 96 × 0.25ml micro reaction tubes a new block plus FHL1F is required (see below)	
FHL1F	Retro fit heated lid to suit PHC-3 thermal cycler with 96 × 0.25ml micro reaction tubes please specify voltage required 100V, 120V or 240V



Retro Fit Kit

Thermal control module, heated lid and block surround with block well extensions.

Interchangeable Blocks

Ordering Information

Part No.	Description
FPHC3BC	Block for 40 × 0.5ml microcentrifuge tubes
FPHC3BT	Block for 40 × 0.5ml microcentrifuge tubes fitted with extensions to block wells
FPHC3BH	Block for 40 × 0.25ml micro reaction tubes
FPHC3BG	Block for 96 × 0.25ml micro reaction tubes

Note:

Early models of the PHC-3 thermal cycler were fitted with a block that had a square section on each of the 40 × 0.5ml holes. To enable the heated lid to be fitted to these units, a new block is required.



Interchangeable Block FPHC3BC

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Techn (Cambridge) Limited Duxford, Cambridge, England CB2 4PZ
Tel: (0223) 832401 Fax: (0223) 836838 Telex: 817257

