

Now available from EMS...

In three hours or less,
Freeze Substitution
is possible...

The EMS Freeze Substitution Kit

Freeze Substitution is a process for low temperature dehydration and fixation of rapidly frozen cells that usually takes days to complete. With the amazing work of K.L. McDonald and R.I. Webb¹ they have now introduced a new method for freeze substitution with a basic kit that we are proud to offer.

With this unique kit researchers are now able to achieve excellent freeze substitution results in as little as 90 minutes for cells of small volume such as bacteria and tissue culture cells. For those cells of greater volume or that have significant diffusion barriers such as cuticles or thick cell walls, one can extend the time to 3 hours simply by putting a lid on the box.

The EMS Freeze Substitution Kit consists of the following:

- » EMS 111 Platform Shaker
- » EMS 002 Ice Chest
- » EMS 003 Heater Block
- » EMS 004 Temperature Probe
- » EMS 005 Cryo Tubes
- » EMS 006 Data Logger

Ordering Information

Catalog No.	Description	Quantity
4500	EMS Freeze Substitution Kit	Kit
4502	EMS 111 Platform Shaker	each
4503	EMS 002 Ice Chest	each
4504-B	EMS 003 Heater Block, 12mm	each
4504-R	EMS 003 Heater Block, 13mm	each
4505	EMS 004 Temperature Probe	each
4506	EMS 005 Cryo Tubes	each
4507	EMS 006 Data Logger	each



EMS 111 Platform Shaker



EMS 003 Heater Block



EMS 002 Ice Chest



EMS 005 Cryo Tubes



EMS 004 Temperature Probe



EMS 006 Data Logger

For more information, please contact:

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