

Technical Data Sheet

Xylene Substitute

#23410-01 & 23410-04

General:

This EMS Xylene Substitute solution is specially designed for use in processing and staining histological/cytological specimens. It is essentially odorless with low toxicity, less irritating to the skin than xylene- and d-limonene-based clearants. It can be substituted for xylene and can be used with almost all tissue processors and automated slide stainers.

Clearing Procedure:

Most specimens may be processed with the same procedure used with xylene. If deparafinization is not complete, processing time may be increased.

Drying Time:

While EMS Xylene Substitute will dry faster than D-limonene products, it will generally take longer than xylene. To accelerate this process, it is recommended that slides be allowed to stand on edge for 2-5 minutes to allow the solution to drain off. To insure that all residual EMS Xylene Substitute is removed, tap edge of slide prior to coverslipping.

Note: Any EMS Xylene Substitute remains on the slide after coverslipping will dry completely without leaving any residue.

Heat Application:

Do not use EMS Xylene Substitute with heat applications.

Mounting Media & EMS Xylene-Subs Compatibility:

Use this EMS Xylene Substitute with a mounting medium that is compatible with xylene. The table below indicates compatibility of EMS Xylene-Substitute with available mounting media. Failure to use a compatible mounting media may result in clouding of the specimens.

Precaution:

EMS Xylene Substitute is a flammable liquid and an aspiration hazard. May cause eyes, skin and respiratory tract irritation.

Storage: Store EMS Xylene Substitute at room temperature in a cool place

Limitations:

In extremely humid environments, EMS Xylene-Substitute may absorb moisture from the air. More frequent changes may be necessary.

Clearing Solvents:

Mounting Media	EMS XyleneSubs	D-limonene	Xylenes
PROTOCOL SecureMount	C	C	C
Richard Allen	C	C	C
Coverbrand	-	-	C
Fisher Permout	C	C	C
Refrax	C	C	C
Shandon Xylene Sub	C	C	C
DPX	C	C	C
PROTOCOL X&T	C	C	C
Cytoseal	NR	NR	C
Accumount 60	NR	NR	C
Acrytol	NR	NR	C
Clearium	NR	NR	C
Eukitt	-	-	C
Flo-Text	-	-	C
Histomount	-	-	C
Hypermount	-	-	C
Permaslip	-	-	C
Pro-Text	NR	NR	C
Shandon Mounting	NR	NR	C
Stephens Substitute	NR	NR	C
Micromount	NR	NR	C

E-Z Mount

NR

NR

C

C = Compatible NR = Not Recommended