

Hydrosorb-X™ Packets – Technical Memo

PRODUCTS:

	Box of 10
Hydrosorb-X™ 3 X 4 inches	Part STHXP-300-400
Hydrosorb-X™ 3 ¼ X 1 ½ inches	Part STHXP-325-150
Hydrosorb-X™ 3 ¼ X 2 ½ inches	Part STHXP-325-250
Hydrosorb-X™ 3 ½ X 1 ¼ inches	Part STHXP-350-125
Hydrosorb-X™ 3 ½ X 1 ½ inches	Part STHXP-350-150
Hydrosorb-X™ 3 ½ X 2 ¾ inches	Part STHXP-350-275
Hydrosorb-X™ 3 ¾ X 2 ¾ inches	Part STHXP-375-275
Hydrosorb-X™ 3 ¾ X 3 inches	Part STHXP-375-300
Hydrosorb-X™ 4 X 1 ½ inches	Part STHXP-400-150
Hydrosorb-X™ 4 X 2 inches	Part STHXP-400-200
Hydrosorb-X™ 4 X 2 ½ inches	Part STHXP-400-250
Hydrosorb-X™ 4 X 5 inches	Part STHXP-400-500
Hydrosorb-X™ 4 ¼ X 3 inches	Part STHXP-425-300
Hydrosorb-X™ 4 ½ X 1 ½ inches	Part STHXP-450-150
Hydrosorb-X™ 5 X 1 ½ inches	Part STHXP-500-150
Hydrosorb-X™ 5 X 3 inches	Part STHXP-500-300
Hydrosorb-X™ 7 X 1 ½ inches	Part STHXP-700-150
Custom Sizes Available	Inquire

APPLICATION:

Newcomer Supply Hydrosorb-X™ water absorption packets are designed to eliminate water contamination in xylenes/xylene substitutes used in staining processes that can occur due to carry-over and/or high humidity environments. Hydrosorb-X™ maintains high quality staining xylenes and ensures stains are not compromised from water contamination.

- Extends life of clearing solutions and reduces disposal costs.
- Multiple sizes available to fit most dishes and containers.
- Color change indicator signals when to replace packet.
- Effective for xylene and aliphatic hydrocarbons (xylene substitutes).
- Compatible for both manual and automated staining set-ups.

HYDROSORB-X™ PROCEDURE:

1. Individual Hydrosorb-X™ packets are double vacuum sealed to prevent moisture absorption from the air; keep sealed until use.
 - a. See Procedure Note #1.
2. Start with fresh xylene with each new Hydrosorb-X™ packet used.
3. Use Hydrosorb-X™ in coverslipping dish to maintain clean xylene.
4. Packet turns blue to pink when exhausted and ready to replace.
 - a. See Procedure Note #2.
5. For disposal, allow Hydrosorb-X™ packets to dry under ventilation hood and dispose with xylene waste.

For Xylenes/Xylene Substitutes in Manual Staining:

6. Place one Hydrosorb-X™ packet in xylene dishes.
 - a. Do not place in first xylene for deparaffinization.
 - b. Do not place in first xylene for dehydration process.
7. Remove Hydrosorb-X™ packets from containers prior to staining.
 - a. See Procedure Notes #3 and #4.

For Xylenes/Xylene Substitutes on Automated Stainers:

8. Hydrosorb-X™ packets are to be used in xylenes only when the automated stainer is not in operation.
9. Place one Hydrosorb-X™ packet in xylene containers.
 - a. Do not place in first xylene for deparaffinization.
 - b. Do not place in first xylene for dehydration process.
10. Remove Hydrosorb-X™ packets from containers prior to staining.
 - a. See Procedure Notes #3 and #4.

PROCEDURE NOTES:

1. Keep Hydrosorb-X™ packets in vacuum sealed bags or stored in xylene for maximum use. Extended air exposure reduces longevity.
2. Exposing Hydrosorb-X™ packets to alcohol will inactivate the color change indicator.
3. Hydrosorb-X™ packets left in containers during staining may dislodge or displace staining racks.
4. Store removed packets in separate xylene/xylene substitute filled dish designated "storage only". These packets can be placed back in xylenes when staining is completed.

REFERENCES:

1. Dapson, Janet Crookham, and Richard W. Dapson. *Hazardous Materials in the Histopathology Laboratory: Regulations, Risks, Handling and Disposal*. 4th ed. Battle Creek, MI: Anatech, 2005. 278.
2. Modifications developed by Newcomer Supply Laboratory.