

Fite's Stain Kit

Kit Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
XPO125	Xylene-Peanut Oil Solution	125 ml	Room Temperature
CFZ125	Carbol Fuchsin Solution	125 ml	Room Temperature
AAM500	Acid Alcohol Solution (1%)	500 ml	Room Temperature
MBS125	Methylene Blue Solution	125 ml	Room Temperature

PRODUCT NAME:	Xylene-Peanut Oil Solution
CATALOG #:	XPO
PRODUCT DESCRIPTION:	Laboratory reagent used in the Fite's Stain Kit (catalog# FLS-1).
COMPOSITION:	Xylene, CAS# 1330-20-7 Peanut Oil, CAS# 8002-03-7 May contain additional non-hazardous proprietary ingredients.
PHYSICAL DATA:	
APPEARANCE / ODOR	Slightly yellow liquid. Xylene odor.
SOLUBILITY IN WATER	Insoluble.
VAPOR DENSITY	N/A
VAPOR PRESSURE	N/A
EVAPORATION RATE	N/A
MELTING POINT	N/A
BOILING POINT	N/A
FLASH POINT	27.2°C (Xylene)
AUTO-IGNITION POINT	500°C (Xylene)
LOWER EXPLOSIVE LIMIT IN AIR	1.9% (Xylene)
UPPER EXPLOSIVE LIMIT IN AIR	12.3% (Xylene)
FIRE AND EXPLOSION HAZARD DATA:	Extinguish fire using chemical foam, or dry chemical. Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) Heavy flammable vapors may travel along the ground to a distant ignition source and flash back.
REACTIVITY DATA:	
STABILITY	Stable under normal temperatures and pressures.
INCOMPATIBLE MATERIALS	Strong oxidizers, nitric acid, sulfuric acid, plastic.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide.
HAZARDOUS POLYMERIZATION	None reported.
HEALTH HAZARD DATA:	
ACUTE EFFECTS:	Eye Contact: May cause irritation and redness. Skin Contact: May irritate skin. Ingestion: May irritate gastrointestinal system. Inhalation: May irritate respiratory tract.

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CHRONIC EFFECTS:	<p>Eye Contact: Prolonged exposure will result in blindness. Skin Contact: Prolonged skin absorption may result in kidney and liver damage. Ingestion: May be fatal. Inhalation: May cause headache, central nervous system depression, and nausea</p>									
FIRST AID:	<p>Eye Contact: Immediately flush eyes with copious amounts of water and get immediate medical attention. Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops. Inhalation: Remove person to fresh air. Get medical attention if symptoms worsen. Ingestion: Get immediate medical attention.</p>									
ADDITIONAL INFORMATION:										
HMIS HAZARD CODES:	<table border="1"> <tr> <td>HEALTH</td> <td>2</td> </tr> <tr> <td>FLAMMABILITY</td> <td>3</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td>0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td>G</td> </tr> </table>	HEALTH	2	FLAMMABILITY	3	PHYSICAL HAZARD	0	PERSONAL PROTECTION	G	
HEALTH	2									
FLAMMABILITY	3									
PHYSICAL HAZARD	0									
PERSONAL PROTECTION	G									
SPILL OR LEAK PROCEDURES:	<p>Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.</p>									
WASTE DISPOSAL METHOD:	<p>Observe all federal, state and local environmental regulations.</p>									
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	<p>Wear protective clothing. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep tightly closed. Irritant. Keep container tightly closed. Use in a chemical fume hood. Avoid breathing vapor.</p>									
ADDITIONAL COMMENTS:	<p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.</p>									

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PRODUCT NAME:	Carbol Fuchsin Solution
CATALOG #:	CFZ
PRODUCT DESCRIPTION:	Carbol Fuchsin Solution is intended for use in the histological visualization of Acid Fast Bacteria and Tubercle Bacilli.
COMPOSITION:	Water, CAS# 7732-18-5 Ethanol, CAS# 64-17-5 Phenol, CAS# 108-95-2 Fuchsin, Basic, CAS# 632-99-5 May contain additional non-hazardous proprietary ingredients.
PHYSICAL DATA:	
APPEARANCE / ODOR	Opaque red liquid. Slight phenol odor.
SOLUBILITY IN WATER	Soluble.
VAPOR DENSITY	N/A
VAPOR PRESSURE	N/A
EVAPORATION RATE	N/A
MELTING POINT	N/A
BOILING POINT	N/A
FLASH POINT	N/A
AUTO-IGNITION POINT	N/A
LOWER EXPLOSIVE LIMIT IN AIR	N/A
UPPER EXPLOSIVE LIMIT IN AIR	N/A
FIRE AND EXPLOSION HAZARD DATA:	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical. Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) May produce flammable vapors.
REACTIVITY DATA:	
STABILITY	Stable.
INCOMPATIBLE MATERIALS	Oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas.
HAZARDOUS POLYMERIZATION	Not reported.
HEALTH HAZARD DATA:	
ACUTE EFFECTS:	Eye Contact: May cause irritation and redness. Skin Contact: May irritate skin. Ingestion: May irritate gastrointestinal system. Inhalation: May irritate respiratory tract.
CHRONIC EFFECTS:	Eye Contact: Unknown. Skin Contact: Unknown. Ingestion: Unknown. Inhalation: Unknown.
FIRST AID:	Eye Contact: Immediately flush eyes with copious amounts of water and get immediate medical attention. Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops. Inhalation: Remove person to fresh air. Get medical attention if symptoms worsen. Ingestion: Get immediate medical attention.

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ADDITIONAL INFORMATION:									
HMS HAZARD CODES:	<table border="1"> <tr> <td>HEALTH</td> <td>2</td> </tr> <tr> <td>FLAMMABILITY</td> <td>1</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td>0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td>H</td> </tr> </table>	HEALTH	2	FLAMMABILITY	1	PHYSICAL HAZARD	0	PERSONAL PROTECTION	H
HEALTH	2								
FLAMMABILITY	1								
PHYSICAL HAZARD	0								
PERSONAL PROTECTION	H								
SPILL OR LEAK PROCEDURES:	Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.								
WASTE DISPOSAL METHOD:	Observe all federal, state and local environmental regulations.								
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Wear protective clothing. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep tightly closed. Irritant. Keep container tightly closed. Use in a chemical fume hood. Avoid breathing vapor.								
ADDITIONAL COMMENTS:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.								

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PRODUCT NAME:	Acid Alcohol Solution (1%)
CATALOG #:	AAM
PRODUCT DESCRIPTION:	Laboratory reagent used in the Fite's Stain Kit (catalog# FLS-1).
COMPOSITION:	Ethyl Alcohol (65%), CAS# 64-17-5 Water, CAS# 7732-18-5 Isopropyl Alcohol, CAS# 67-63-0 Hydrochloric Acid (0.5%), CAS# 7647-01-0 May contain additional non-hazardous proprietary ingredients.
PHYSICAL DATA:	
APPEARANCE / ODOR	Transparent colorless liquid. Mild alcohol odor.
SOLUBILITY IN WATER	Soluble.
VAPOR DENSITY	N/A
VAPOR PRESSURE	N/A
EVAPORATION RATE	N/A
MELTING POINT	N/A
BOILING POINT	N/A
FLASH POINT	N/A
AUTO-IGNITION POINT	N/A
LOWER EXPLOSIVE LIMIT IN AIR	N/A
UPPER EXPLOSIVE LIMIT IN AIR	N/A
FIRE AND EXPLOSION HAZARD DATA:	Extinguish fire using carbon dioxide, chemical foam, or dry chemical. Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) No unusual fire or explosion hazards expected.
REACTIVITY DATA:	
STABILITY	Stable under normal temperatures and pressures.
INCOMPATIBLE MATERIALS	Metals, strong bases, acetyl chloride, acetyl bromide, nitric acid, iodine-mercuric oxide, hydrogen-palladium, chromic anhydride, magnesium.
HAZARDOUS DECOMPOSITION PRODUCTS	Hydrogen chloride, oxides of carbon, formaldehyde.
HAZARDOUS POLYMERIZATION	None reported.
HEALTH HAZARD DATA:	
ACUTE EFFECTS:	Eye Contact: May cause irritation and redness. Skin Contact: May irritate skin. Ingestion: May irritate gastrointestinal system. Inhalation: May irritate respiratory tract.
CHRONIC EFFECTS:	Eye Contact: Unknown. Skin Contact: Unknown. Ingestion: Unknown. Inhalation: Unknown.
FIRST AID:	Eye Contact: Immediately flush eyes with copious amounts of water and get immediate medical attention. Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops. Inhalation: Remove person to fresh air. Get medical attention if symptoms worsen. Ingestion: Get immediate medical attention.
ADDITIONAL INFORMATION:	

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HMIS HAZARD CODES:	HEALTH	1
	FLAMMABILITY	3
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	G
SPILL OR LEAK PROCEDURES:	Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.	
WASTE DISPOSAL METHOD:	Observe all federal, state and local environmental regulations.	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Wear protective clothing. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep tightly closed. Irritant. Keep container tightly closed. Avoid breathing vapor.	
ADDITIONAL COMMENTS:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.	

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PRODUCT NAME:	Methylene Blue Solution
CATALOG #:	MBS
PRODUCT DESCRIPTION:	Histology stain.
COMPOSITION:	Water, CAS# 7732-18-5 Ethyl alcohol, CAS# 64-17-5 Isopropyl alcohol, CAS# 67-63-0 Methylene Blue, CAS# 61-73-4 May contain additional non-hazardous proprietary ingredients.
PHYSICAL DATA:	
APPEARANCE / ODOR	Dark blue liquid. Mild alcohol odor.
SOLUBILITY IN WATER	Soluble.
VAPOR DENSITY	N/A
VAPOR PRESSURE	N/A
EVAPORATION RATE	N/A
MELTING POINT	N/A
BOILING POINT	N/A
FLASH POINT	N/A
AUTO-IGNITION POINT	N/A
LOWER EXPLOSIVE LIMIT IN AIR	N/A
UPPER EXPLOSIVE LIMIT IN AIR	N/A
FIRE AND EXPLOSION HAZARD DATA:	Extinguish fire using carbon dioxide, alcohol foam, or dry chemical. Water spray may be used to cool adjacent material. Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) Will produce flammable vapors under fire conditions.
REACTIVITY DATA:	
STABILITY	Stable under normal temperatures and pressures.
INCOMPATIBLE MATERIALS	Oxidizing agents, reducing agents, alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide, nitrogen and sulfur oxides.
HAZARDOUS POLYMERIZATION	None reported.
HEALTH HAZARD DATA:	
ACUTE EFFECTS:	Eye Contact: May cause irritation and redness. Skin Contact: May irritate skin. Ingestion: May irritate gastrointestinal system. Inhalation: May irritate respiratory tract.
CHRONIC EFFECTS:	Eye Contact: Unknown. Skin Contact: Unknown. Ingestion: Unknown. Inhalation: Unknown.
FIRST AID:	Eye Contact: Immediately flush eyes with copious amounts of water and get immediate medical attention. Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops. Inhalation: Remove person to fresh air. Get medical attention if symptoms worsen. Ingestion: Get immediate medical attention.
ADDITIONAL INFORMATION:	

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HMS HAZARD CODES:	HEALTH	1
	FLAMMABILITY	2
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	B
SPILL OR LEAK PROCEDURES:	Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.	
WASTE DISPOSAL METHOD:	Observe all federal, state and local environmental regulations.	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Wear protective clothing. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep tightly closed. Irritant. Keep container tightly closed. Avoid breathing vapor.	
ADDITIONAL COMMENTS:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.	