

Gram Stain Kit

Kit Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
GVS125	Gentian Violet Solution	125 ml	Room Temperature
LIS125	Lugol's Iodine Solution	125 ml	Room Temperature
GDS125	Gram's Decolorizer Solution	125 ml	Room Temperature
CFX125	Carbol Fuchsin Counterstain	125 ml	Room Temperature
TZQ125	Tartrazine Solution	125 ml	Room Temperature

PRODUCT NAME:	Gentian Violet Solution
CATALOG #:	GVS
PRODUCT DESCRIPTION:	Histology stain.
COMPOSITION:	Water, CAS# 7732-18-5 Ethyl Alcohol, CAS# 64-17-5 Isopropyl Alcohol, CAS# 67-63-0 Ammonium Oxalate, CAS# 6009-70-7 Crystal Violet, CAS# 548-62-9 May contain additional non-hazardous proprietary ingredients.
PHYSICAL DATA:	
APPEARANCE / ODOR	Dark purple 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 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 under fire conditions.
REACTIVITY DATA:	
STABILITY	Stable under normal temperatures and pressures.
INCOMPATIBLE MATERIALS	Slightly reactive to reactive with oxidizing agents.
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:	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:									
HMIS HAZARD CODES:	<table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>2</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td>0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td>H</td> </tr> </table>	HEALTH	1	FLAMMABILITY	2	PHYSICAL HAZARD	0	PERSONAL PROTECTION	H
HEALTH	1								
FLAMMABILITY	2								
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. 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.								

PRODUCT NAME:	Lugol's Iodine Solution
CATALOG #:	LIS
PRODUCT DESCRIPTION:	Laboratory reagent.
COMPOSITION:	Water, CAS# 7732-18-5 Potassium Iodide, CAS# 7681-11-0 Iodine, CAS# 7553-56-2 May contain additional non-hazardous proprietary ingredients.
PHYSICAL DATA:	
APPEARANCE / ODOR	Dark amber/brown slightly transparent liquid. Slight iodine 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

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FLASH POINT	Aqueous solution.									
AUTO-IGNITION POINT	Aqueous solution.									
LOWER EXPLOSIVE LIMIT IN AIR	Aqueous solution.									
UPPER EXPLOSIVE LIMIT IN AIR	Aqueous solution.									
FIRE AND EXPLOSION HAZARD DATA:	<p>Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.</p> <p>Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.)</p> <p>May release corrosive iodine vapor under fire conditions.</p>									
REACTIVITY DATA:										
STABILITY	Stable under normal temperatures and pressures.									
INCOMPATIBLE MATERIALS	Reactive with metals, organic materials, and other combustible materials.									
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic chlorides and iodides.									
HAZARDOUS POLYMERIZATION	None reported.									
HEALTH HAZARD DATA:										
ACUTE EFFECTS:	<p>Eye Contact: May cause irritation and redness.</p> <p>Skin Contact: May irritate skin.</p> <p>Ingestion: May irritate gastrointestinal system. Slightly toxic by ingestion.</p> <p>Inhalation: May irritate respiratory tract.</p>									
CHRONIC EFFECTS:	<p>Eye Contact: Unknown.</p> <p>Skin Contact: Unknown.</p> <p>Ingestion: Unknown.</p> <p>Inhalation: Unknown.</p>									
FIRST AID:	<p>Eye Contact: Immediately flush eyes with copious amounts of water and get immediate medical attention.</p> <p>Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.</p> <p>Inhalation: Remove person to fresh air. Get medical attention if symptoms worsen.</p> <p>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>0</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td>0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td>B</td> </tr> </table>	HEALTH	2	FLAMMABILITY	0	PHYSICAL HAZARD	0	PERSONAL PROTECTION	B	
HEALTH	2									
FLAMMABILITY	0									
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:	<p>Wear protective clothing.</p> <p>Avoid contact with skin and eyes. Wash thoroughly after handling.</p> <p>Irritant.</p> <p>Keep container tightly closed.</p> <p>Avoid breathing vapor.</p>									

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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:	Gram's Decolorizer Solution
CATALOG #:	GDS
PRODUCT DESCRIPTION:	Laboratory reagent.
COMPOSITION:	Acetone, CAS# 67-64-1 Ethyl alcohol, CAS# 64-17-5 Isopropyl alcohol, CAS# 67-63-0 May contain additional non-hazardous proprietary ingredients.
PHYSICAL DATA:	
APPEARANCE / ODOR	Transparent colorless liquid. Acetone 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	-20°C (Acetone)
AUTO-IGNITION POINT	465°C (Acetone)
LOWER EXPLOSIVE LIMIT IN AIR	2.6% (Acetone)
UPPER EXPLOSIVE LIMIT IN AIR	12.8% (Acetone)
FIRE AND EXPLOSION HAZARD DATA:	Extinguish fire using water spray to cool surrounding material, carbon dioxide, alcohol foam, or dry chemical. Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) 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.
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. May cause dizziness, loss of coordination, and/or drowsiness. Inhalation: May irritate respiratory tract.
CHRONIC EFFECTS:	Eye Contact: Unknown. Skin Contact: Unknown. Ingestion: Unknown. Inhalation: Unknown.

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FIRST AID:	<p>Eye Contact: Immediately flush eyes with copious amounts of water and get immediate medical attention.</p> <p>Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.</p> <p>Inhalation: Remove person to fresh air. Get medical attention if symptoms worsen.</p> <p>Ingestion: Get immediate medical attention.</p>	
ADDITIONAL INFORMATION:		
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. 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.	

PRODUCT NAME:	Carbol Fuchsin Counterstain
CATALOG #:	CFX
PRODUCT DESCRIPTION:	Carbol Fuchsin Counterstain is intended for use in histological staining procedures.
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	Transparent 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

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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.								
ADDITIONAL INFORMATION:									
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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								

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	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:	Tartrazine Solution
CATALOG #:	TZQ
PRODUCT DESCRIPTION:	Laboratory reagent often used a histology counterstain.
COMPOSITION:	Water, CAS# 7732-18-5 Acetic Acid, CAS# 64-19-7 Tartrazine, CAS# 1934-21-0 May contain additional non-hazardous proprietary ingredients.
PHYSICAL DATA:	
APPEARANCE / ODOR	Transparent yellow liquid. Very slight acetic acid 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	Aqueous solution.
AUTO-IGNITION POINT	Aqueous solution.
LOWER EXPLOSIVE LIMIT IN AIR	Aqueous solution.
UPPER EXPLOSIVE LIMIT IN AIR	Aqueous solution.
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.) No unusual fire or explosion hazards expected.
REACTIVITY DATA:	
STABILITY	Stable under normal temperatures and pressures.
INCOMPATIBLE MATERIALS	Strong oxidizing agents.
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.
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:									
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HEALTH	1								
FLAMMABILITY	0								
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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. 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.								