

Safety Data Sheet  
PNEUMOCYSTIS STAIN KIT EU



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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Product name	PNEUMOCYSTIS STAIN KIT
Product number	KT030
Brand	PNEUMOCYSTIS STAIN KIT

**Other means of identification**

Component 1. Cresyl Echt Violet Solution  
Component 2. Naphthol Yellow S Solution

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

In Vitro Diagnostic Use

**1.3 Details of the supplier of the safety data sheet**

Name	Diagnostic Biosystems
Address	6616 Owens Drive Pleasanton CA 94588 USA
Telephone	(888) 896-3350
email	customersupport@dbiosys.com

**1.4 Emergency telephone number**

(925) 484-3350 (9AM-6PM, Monday - Friday, Pacific Standard Time)

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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 (CLP)**

- Serious eye damage/eye irritation (chapter 3.3), Cat. 1, H318
- Skin corrosion/irritation (chapter 3.2), Cat. 1A, H314

For the full text corresponding to the "H"-codes displayed in this section, refer to Section 16.

**2.2 Label elements**

# Safety Data Sheet

## PNEUMOCYSTIS STAIN KIT EU

Labelling according to Regulation (EC) No 1272/2008 [CLP]

### Hazard pictograms



1. Exclamation mark; 2. Corrosion

### Signal word

**Danger**

### Hazard statements

H314 Causes severe skin burns and eye damage  
H317 May cause an allergic skin reaction  
H318 Causes serious eye damage  
H332 Harmful if inhaled

### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container to a licensed disposal company.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Component 1. Cresyl Echt Violet Solution

##### 1. Acetic acid

Concentration 3 % (volume)

Other names / synonyms acetic acid; ACETIC ACID; ACETIC ACID, GLACIAL; ACETICACID; Acidum aceticum; ETHANOIC ACID; ETHYLIC ACID; GLACIAL ACETIC ACID; METHANECARBOXYLIC ACID; UN 2789; UN 2790; VINEGAR ACID

EC no. 200-580-7

CAS no. 64-19-7

Index no. 607-002-00-6

- Flammable liquids (chapter 2.6), Cat. 3
- Skin corrosion/irritation (chapter 3.2), Cat. 1A

H226 Flammable liquid and vapor  
H314 Causes severe skin burns and eye damage

# Safety Data Sheet

## PNEUMOCYSTIS STAIN KIT EU

SCLs/M-factors/ATEs  
Skin Corr. 1A; H314: C ≥ 90 %  
Skin Corr. 1B; H314: 25 % ≤ C < 90 %  
Skin Irrit. 2; H315: 10 % ≤ C < 25 %  
Eye Irrit. 2; H319: 10 % ≤ C < 25 %

### 2. Cresyl Violet acetate

Concentration  
CAS no.  
0.1 % (weight)  
10510-54-0

### 3. Alcohol

Concentration  
24 % (volume)

Other names / synonyms  
ABSOLUTE ETHANOL; ALCOHOL DEHYDRATED; ALCOHOL, ANHYDROUS; Alcoholum / ethanolum; ALGRAIN; ANHYDROL; COLOGNE SPIRIT; COLOGNE SPIRITS (ALCOHOL); Ethanol; ETHANOL 200 PROOF; ETHANOL SOLUTION; ETHYL ALCOHOL; ETHYL ALCOHOL ANHYDROUS; ETHYL HYDRATE; ETHYL HYDROXIDE; FERMENTATION ALCOHOL; GRAIN ALCOHOL; JAYSOL; JAYSOL S; METHYLCARBINOL; MOLASSES ALCOHOL; NCI-C03134; POTATO ALCOHOL; SD ALCOHOL 23-HYDROGEN; SPIRIT; SPIRITS OF WINE; TECSOL; UN 1170

EC no.  
CAS no.  
Index no.  
200-578-6  
64-17-5  
603-002-00-5

- Flammable liquids (chapter 2.6), Cat. 2

H225  
Highly flammable liquid and vapor

## Component 2. Naphthol Yellow S Solution

### 1. Acetic acid

Concentration  
5 % (volume)

Other names / synonyms  
acetic acid; ACETIC ACID; ACETIC ACID, GLACIAL; ACETICACID; Acidum aceticum; ETHANOIC ACID; ETHYLIC ACID; GLACIAL ACETIC ACID; METHANECARBOXYLIC ACID; UN 2789; UN 2790; VINEGAR ACID

EC no.  
CAS no.  
Index no.  
200-580-7  
64-19-7  
607-002-00-6

- Flammable liquids (chapter 2.6), Cat. 3  
- Skin corrosion/irritation (chapter 3.2), Cat. 1A

H226  
H314  
SCLs/M-factors/ATEs  
Flammable liquid and vapor  
Causes severe skin burns and eye damage  
Skin Corr. 1A; H314: C ≥ 90 %  
Skin Corr. 1B; H314: 25 % ≤ C < 90 %  
Skin Irrit. 2; H315: 10 % ≤ C < 25 %  
Eye Irrit. 2; H319: 10 % ≤ C < 25 %

# Safety Data Sheet

## PNEUMOCYSTIS STAIN KIT EU

### 2. Ci 10316

Concentration	1 % (weight)
Other names / synonyms	2-Naphthalenesulfonic acid, 8-hydroxy-5,7-dinitro-, disodium salt; 2-Naphthalenesulfonic acid, 8-hydroxy-5,7-dinitro-, sodium salt (1:2); Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate
EC no.	212-690-2
CAS no.	846-70-8

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General notes	Consult a physician. Show this safety data sheet to the doctor in attendance.
Following inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration.  Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Following skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
Following eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
Following ingestion	Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.  Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.
Self-protection of the first aider	Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Use extinguishing media appropriate for surrounding fire.

### 5.2 Special hazards arising from the substance or mixture

Ethanol: Carbon oxides

# Safety Data Sheet

## PNEUMOCYSTIS STAIN KIT EU

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

No data available.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

### 6.2 Environmental precautions

Should not be released into the environment. See Section 12 for additional ecological information.

### 6.3 Methods and material for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

### 6.4 Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### CAS: 64-17-5

Alcohol

ACGIH (USA): (ST) 1000 ppm TLV® inhalation; Cal/OSHA: 1000 ppm PEL inhalation; NIOSH: 1000 ppm REL inhalation; OSHA: 1000 ppm PEL inhalation; 1900 mg/m<sup>3</sup> PEL inhalation

#### CAS: 64-19-7 (EC: 200-580-7)

Acetic acid

# Safety Data Sheet

## PNEUMOCYSTIS STAIN KIT EU

ACGIH (USA): 15 ppm STEL inhalation; 10 ppm, (ST) 15 ppm TLV® inhalation; 10 ppm TWA inhalation; Cal/OSHA (USA): 40 ppm C inhalation; 10 ppm, (ST) 15 ppm, (C) 40 ppm PEL inhalation; 10 ppm, 25 mg/m<sup>3</sup> PEL inhalation; 15 ppm, 37 mg/m<sup>3</sup> STEL inhalation; NIOSH (USA): 10 ppm, (ST) 15 ppm REL inhalation; 15 ppm, 37 mg/m<sup>3</sup> ST inhalation; 10 ppm, 25 mg/m<sup>3</sup> TWA inhalation; OSHA (USA): 25 mg/m<sup>3</sup> PEL inhalation; 10 ppm PEL inhalation; 10 ppm, 25 mg/m<sup>3</sup> TWA inhalation

### 8.2 Exposure controls

#### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

#### Individual protection measures, such as personal protective equipment

##### Pictograms



#### Eye and face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Thermal hazards

No data available

#### Control banding approach

No data available.

#### Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Various
Colour	Yellow dye
Odour	Odorless
Odour threshold	No data available.

# Safety Data Sheet

## PNEUMOCYSTIS STAIN KIT EU

pH	Various
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Vapor pressure	No data available.
Relative vapor density	No data available.
Density and/or relative density	No data available.
Solubility	No data available.
Partition coefficient n-octanol/water (log value)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Kinematic viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

### Particle characteristics

No data available.

## 9.2 Other information

### 9.2.1 Information with regard to physical hazard classes

No data available.

### 9.2.2 Other safety characteristics

No data available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None under normal use conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal use conditions.

### 10.4 Conditions to avoid

Exposure to moisture.

Avoid storing in direct sunlight and avoid extremes of temperature.

Heat, flames and sparks.

### 10.5 Incompatible materials

Acetic acid: Oxidizing agents, Soluble carbonates and phosphates, Hydroxides, Metals, Peroxides, permanganates, e.g. potassium permanganate, Amines, Alcohols, Nitric acid

Ethanol: Alkali metals, Oxidizing agents, Peroxides

### 10.6 Hazardous decomposition products

# Safety Data Sheet

## PNEUMOCYSTIS STAIN KIT EU

Other decomposition products - No data available In the event of fire: see section 5

Acetic acid: Hazardous decomposition products formed under fire conditions. - Carbon oxides  
Other decomposition products - No data available  
In the event of fire: see section 5

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### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity

Ethanol: ACGIH: A3 Confirmed animal carcinogen with unknown relevance to humans.

Acetic acid

LD50 Oral - Rat - 3,310 mg/kg

Acetic acid

LC50 Inhalation - Mouse - 5620 ppm - 1 h

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation. Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Other. Blood:Other changes.

Acetic acid

LC50 Inhalation - Rat - 11.4 mg/l - 4 h

Acetic acid

LD50 Skin - Rat - 1,112 mg/kg

ETHANOL

LD50 Oral - Rat - 10,470 mg/kg

ETHANOL

LD50 Skin - Rabbit - 15,800 mg/kg

ETHANOL

LD50 Inhalation - Rat - 30,000 mg/l - 4 h

##### Skin corrosion/irritation

Acetic acid

LD50 Skin - Rat - 1,112 mg/kg

ETHANOL

LD50 Skin - Rabbit - 15,800 mg/kg

ETHANOL

OECD Test Guideline 404 Skin - Rabbit - 24 h

Result: No skin irritation

##### Serious eye damage/irritation

ETHANOL

OECD Test Guideline 405 Eyes - Rabbit

Result: Moderate eye irritation

##### Respiratory or skin sensitization

Acetic acid

LC50 Inhalation - Mouse - 5620 ppm - 1 h



# Safety Data Sheet

## PNEUMOCYSTIS STAIN KIT EU

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation. Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Other. Blood:Other changes.

Acetic acid

LC50 Inhalation - Rat - 11.4 mg/l - 4 h

ETHANOL

LD50 Inhalation - Rat - 30,000 mg/l - 4 h

### Germ cell mutagenicity

Based on available data, classification data are not met

### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### Reproductive toxicity

Based on available data, classification data are not met

### STOT-single exposure

No data available.

### STOT-repeated exposure

No data available.

### Aspiration hazard

No data available.

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available.

### Other information

No data available.

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## SECTION 12: Ecological information

### 12.1 Toxicity

Acetic acid

LC50 - Oncorhynchus mykiss (rainbow trout) - >1,000 mg/l - 96 h

Citation: (OECD Test Guideline 203)

Acetic acid

EC50 - Daphnia magna (water flea) - >300.82 mg/l - 48 h

Citation: (OECD Test Guideline 202)

ETHANOL

EC50 - Chlorella vulgaris (Fresh water algae) - 275 mg/l - 72 h

# Safety Data Sheet

## PNEUMOCYSTIS STAIN KIT EU

ETHANOL

LC50 - Pimephales promelas (fathead minnow) - 14,200 mg/l - 96 h

ETHANOL

LC50 - Ceriodaphnia dubia (water flea) - 5,012 mg/l - 48 h

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product disposal

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### Packaging disposal

Dispose of as unused product.

#### Waste treatment

No data available

#### Sewage disposal

Do not let product enter drains

#### Other disposal recommendations

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

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## SECTION 14: Transport information

14.1 UN Number

UN1760

14.2 UN Proper Shipping Name

Corrosive liquids, n.o.s.

14.3 Transport hazard class(es)

8

14.4 Packing group

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### 14.5 Environmental hazards

Marine pollutant

### 14.6 Special precautions for user

For professional users only.

# Safety Data Sheet

## PNEUMOCYSTIS STAIN KIT EU

Should not be released into the environment.

### 14.7 Maritime transport in bulk according to IMO instruments

Not shipped in bulk

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## SECTION 15: Regulatory information

### 15.2 Chemical Safety Assessment

The supplier of this product has not conducted any Chemical Safety Assessment

#### HMIS Rating

PNEUMOCYSTIS STAIN KIT EU	
HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

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## SECTION 16: Other information

#### Full text of hazard statements referenced in Section 2

H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage

SDS-0129, Rev. A

#### Further information/disclaimer

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