



## Safety Data Sheet 40X Immuno Wash Buffer EU

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

#### 1.1 Product identifier

Product name	40X Immuno Wash Buffer EU
Product number	K080
Brand	40X Immuno Wash Buffer

#### 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

#### General hazard statement

No ingredients of this mixture are considered hazardous

#### 2.1 Classification of the substance or mixture

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

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

#### 2.2 Label elements

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

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

# Safety Data Sheet

## 40X Immuno Wash Buffer EU

### 2.3 Other hazards

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Tromethamine

Concentration <= 20 % (weight)

Other names / synonyms 1,3-Propanediol, 2-amino-2-(hydroxymethyl)-; Tris; Trometamol;  
CAS no. 77-86-1

##### 2. Sodium chloride

Concentration <= 30 % (weight)

Other names / synonyms COMMON SALT; DENDRITIS; H.G. BLENDING; HALITE; Natrii chloridum; product-by-process definition polyazodyestuff obtained by coupling 4-[4-(1-amino-8-hydroxy-3,6-disulfo-2-naphthylazo)phenylsulfonylamino]benzenediazonium with reaction mass of 4-carboxybenzenediazonium and diphenylamine-3-sulfo-4,4'-bisdiazonium, and further coupling of the obtained compounds with reaction mass of naphth-2-ol and 3-aminophenol, sodium salts; PUREX; ROCK SALT; SALINE; SALT; SEA SALT; Sodium chloride ; Sodium chloride (NaCl); SODIUMCHLORIDE; STERLING; TABLE SALT; TOP FLAKE; USP SODIUM CHLORIDE; WHITE CRYSTAL

EC no. 425-740-5  
CAS no. 7647-14-5  
Index no. 611-142-00-3

- Eye damage/irritation (chapter 3.3), Cat. 1  
- Hazardous to the aquatic environment, long-term (chronic) (chapter 4.1), Cat. 3

H318 Causes serious eye damage  
H412 Harmful to aquatic life with long lasting effects

##### 3. Potassium chloride

Concentration <= 1 % (weight)

Other names / synonyms CHLOROPOTASSURIL; CHLOROVESCENT; ENSEAL KCl; K-CONTIN; KALCORID; Kalii chloridum; KALITABS; PETER-KAL; POTASH MURIATE; Potassium chloride (KCl); POTASSIUM CHLORIDE KC; POTASSIUM MURIATE; POTASSIUMCHLORIDE; POTAVESCENT; REKAWAN; REPONE K; SALT SUBSTITUTE; SLOW-K-TABLETS; SPAN-K

EC no. 231-211-8  
CAS no. 7447-40-7

# Safety Data Sheet

## 40X Immuno Wash Buffer EU

### 4. Polysorbate 21

Concentration	<= 2 % (volume)
Other names / synonyms	Polyoxyethylene sorbitan monolaurate; Polysorbate 20; Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs; Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.; Tween 20
EC no.	500-018-3
CAS no.	9005-64-5

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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

# Safety Data Sheet

## 40X Immuno Wash Buffer EU

### 5.1 Extinguishing media

Use extinguishing media appropriate for surrounding fire.

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

No data available.

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Sodium chloride : Hydrogen chloride gas, Sodium oxides

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Potassium chloride: Hydrogen chloride gas, Potassium oxides

### 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

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

### **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	Clear
Colour	Clear
Odour	No data available.
Odour threshold	No data available.
pH	7.5
Melting point/freezing point	No data available.

# Safety Data Sheet

## 40X Immuno Wash Buffer EU

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

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Polyoxyethylene sorbitan monolaurate: Strong oxidizing agents

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Potassium chloride: Strong acids, Strong oxidizing agents

### 10.6 Hazardous decomposition products

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

# Safety Data Sheet

## 40X Immuno Wash Buffer EU

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Potassium chloride: 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

Sodium chloride

LD50 Oral - Rat - 3,550 mg/kg

Polyoxyethylene sorbitan monolaurate

LD50 Oral - Rat - 40,554.0 mg/kg

##### Skin corrosion/irritation

Sodium chloride

LD50 Skin - Rabbit - > 10,000 mg/kg

##### Serious eye damage/irritation

Based on available data, classification data are not met

##### Respiratory or skin sensitization

Sodium chloride

LD50 Skin - Rabbit - > 10,000 mg/kg

Sodium chloride

LD50 Inhalation - Rat - > 42,000 mg/m<sup>3</sup> - 1 hr

##### 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

Based on available data, classification data are not met

##### STOT-repeated exposure

Based on available data, classification data are not met

##### Aspiration hazard

Based on available data, classification data are not met

#### 11.2 Information on other hazards

# Safety Data Sheet

## 40X Immuno Wash Buffer EU

### Endocrine disrupting properties

No data available.

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## SECTION 12: Ecological information

### 12.1 Toxicity

Polyoxyethylene sorbitan monolaurate

LC50 - Other fish - 350 mg/l - 24 h

Potassium chloride

LC50 - Pimephales promelas (fathead minnow) - 880 mg/l - 96 h

Potassium chloride

NOEC - Pimephales promelas (fathead minnow) - 500 mg/l - 7 d

Potassium chloride

LOEC - Pimephales promelas (fathead minnow) - 1,000 mg/l - 7 d

Potassium chloride

EC50 - Daphnia magna (water flea) - >440 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

Sodium chloride

NOEC - Daphnia magna (water flea) - 1,500 mg/l - 7 d

Sodium chloride

LC50 - Lepomis macrochirus (bluegill) - 5,840 mg/l - 96 h

Sodium chloride

LC50 - Daphnia magna (water flea) - 1,661 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



# Safety Data Sheet

## 40X Immuno Wash Buffer EU

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	None
14.2 UN Proper Shipping Name	None
14.3 Transport hazard class(es)	None
14.4 Packing group	None
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Maritime transport in bulk according to IMO instruments	None

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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

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## SECTION 16: Other information

SDS-0132, Rev. A

### Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Diagnostic BioSystems be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Diagnostic BioSystems has been advised of the possibility of such damages.