

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DAB Substrate Buffer (ZUC018-500)

Revision date: 20.03.2018

Product code: 0053

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

##### 1.1. Product identifier

DAB Substrate Buffer (ZUC018-500)

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

###### Use of the substance/mixture

in vitro-diagnostic reagent or laboratory reagent

##### 1.3. Details of the supplier of the safety data sheet

Company name:	Zytomed Systems GmbH	
Street:	Anhaltinerstraße 16	
Place:	D-14163 Berlin	
Telephone:	+49 30 804 984 990	Telefax: +49 30 804 984 999
e-mail:	info@zytomed-systems.de	
e-mail (Contact person):	msds@zytomed-systems.de	
Internet:	www.zytomed-systems.de	
Responsible Department:	Department MSDS	

1.4. Emergency telephone number: +49 30 804 984 990 (office hours Mon-Thu 8:00-16:00, Fri 8:00-14:00)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

##### 2.2. Label elements

##### 2.3. Other hazards

No risks worthy of mention.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### After inhalation

Provide fresh air.

###### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

###### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

###### After ingestion

Rinse mouth immediately and drink plenty of water.

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

No data available

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

Treat symptomatically. No further informations

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

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#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

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

Non-flammable.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

Wear personal protection equipment.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

see chapter 8 and 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

##### Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed.

##### Advice on storage compatibility

No special measures are necessary.

#### 7.3. Specific end use(s)

in vitro-diagnostic reagent or laboratory reagent

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

##### Eye/face protection

Wear eye protection/face protection. Suitable eye protection: Framed glasses.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four

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control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Tested protective gloves are to be worn: NBR (Nitrile rubber).

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	odourless

pH-Value (at 20 °C):

**Test method**  
7,2 DIN 19261

#### Changes in the physical state

Melting point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	Not determined

#### Flammability

Solid:	Not determined
Gas:	Not determined
Lower explosion limits:	Not determined
Upper explosion limits:	Not determined

#### Auto-ignition temperature

Solid:	Not determined
Gas:	Not determined
Decomposition temperature:	not determined

#### Oxidizing properties

Not oxidising.	
Vapour pressure:	Not determined
Density:	Not determined
Water solubility:	Not determined

#### Solubility in other solvents

Not determined	
Partition coefficient:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined

### 9.2. Other information

Solid content:	not determined
No further informations	

## SECTION 10: Stability and reactivity

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#### **10.1. Reactivity**

No data available

#### **10.2. Chemical stability**

No data available

#### **10.3. Possibility of hazardous reactions**

No data available

#### **10.4. Conditions to avoid**

No data available

#### **10.5. Incompatible materials**

No data available

#### **10.6. Hazardous decomposition products**

No data available

#### **Further information**

No further informations

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

##### **Additional information on tests**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### SECTION 12: Ecological information

#### **12.1. Toxicity**

No data available.

#### **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**

No data available.

#### **12.6. Other adverse effects**

No data available.

#### **Further information**

Avoid release to the environment.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

##### **Waste disposal number of waste from residues/unused products**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

##### **Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

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#### SECTION 14: Transport information

##### Land transport (ADR/RID)

###### Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

##### Inland waterways transport (ADN)

###### Other applicable information (inland waterways transport)

No dangerous good in sense of these transport regulations.

##### Marine transport (IMDG)

###### Other applicable information (marine transport)

No dangerous good in sense of these transport regulations.

##### Air transport (ICAO-TI/IATA-DGR)

###### Other applicable information (air transport)

No dangerous good in sense of these transport regulations.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

No further informations

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No further informations

#### SECTION 15: Regulatory information

##### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

###### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

##### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

#### SECTION 16: Other information

##### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

##### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. This information is based on our present knowledge. No guarantee is given regarding its accuracy or comprehensiveness. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Zytomed Systems shall not be held liable for resulting damages from handling or from contact with the above product. Paper copies are allowed to be used for internal use only.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*