

## SAFETY DATA SHEET

### AMES MPF™ Mutagenicity Assays

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Processing date Jan. 2010

#### 1. IDENTIFICATION OF THE TEST KIT AND THE COMPANY

##### Product information

Product Name: Ames MPF™ Mutagenicity Assays (all versions for *S. typhimurium* and *E. coli*).  
Intended use: For Positive Controls: see separate MSDS  
For research use only, not for diagnostic purposes  
Company: Xenometrix AG  
Gewerbestrasse 25  
CH-4123 Allschwil, Switzerland  
Telephone: +41 61 482 14 34  
Telefax: +41 61 482 20 72

#### 2. CHEMICAL CHARACTERISATION

##### Components

##### Growth Medium:

Contains no hazardous substances in concentrations to be declared  
Contains peptone. Origin: bovine milk

##### Exposure Medium:

Contains no hazardous substances in concentrations to be declared

##### Indicator Medium:

Contains no hazardous substances in concentrations to be declared

##### Ampicillin:

Ingredients: 5% Ampicillin; CAS-No. 69-52-3

#### 3. HAZARDS IDENTIFICATION

##### Media:

No hazards known

##### Ampicillin:

Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact.

#### 4. FIRST AID MEASURES (applies to Ampicillin only)

Skin contact: Wash skin immediately with plenty of water.  
Eye contact: Rinse immediately with plenty of water and seek medical advice.  
Ingestion: Wash out mouth with water and seek medical advice.  
Inhalation: Remove to fresh air. If breathing becomes difficult, seek medical advice.  
Instructions for physician: Symptomatic treatment by a physician.

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### 5. FIRE-FIGHTING MEASURES (applies to Ampicillin only)

Extinguishing media: water spray, carbon dioxide, dry chemical powder or appropriate foam.  
Special risks: Emits toxic fumes under fire conditions.

### 6. ACCIDENTAL RELEASE MEASURES (applies to Ampicillin only)

Actions to be taken on spillage: Smaller quantities can be washed off with plenty of water.

Absorbent material: No restriction.

Actions to be taken to limit damage: Special measures to limit damage are not necessary.

### 7. HANDLING AND STORAGE

Handling: (Applies to Ampicillin only) Avoid inhalation, avoid contacts with eyes, skin and clothing. Avoid prolonged or repeated exposure.

Storage: Ampicillin: -20 °C.  
10X Exposure Medium Solutions A and B: 4 °C  
Growth Medium, Indicator Medium: Room temperature

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (applies to Ampicillin only)

Personal protective equipment

Respiratory protection: Not required.  
Eye protection: Safety glasses  
Hand protection: Protective gloves  
Hygiene measures: Wash hands before breaks and at the end of workday."

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### All kit ingredients:

Form: liquid  
Miscibility with water: completely miscible

### 10. STABILITY AND REACTIVITY

Hazardous reactions: none under normal use  
Hazardous decomposition products: only in small concentrations

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### 11. TOXICOLOGICAL INFORMATION

**Ampicillin:**

This product contains low levels of ampicillin which is irritating to eyes, respiratory system and skin, and may cause sensitization by inhalation and skin contact.

**Growth Medium, 10X Exposure Medium Solutions A and B, Indicator Medium:**

Not available or not relevant for concentrations used in product

### 12. ECOLOGICAL INFORMATION

Water hazard class: Not hazardous

### 13. DISPOSAL CONSIDERATIONS

Waste disposal route: Small quantities may be disposed off in waste water.

Disposal of empty packaging: Dispose of empty packs via local recycling or waste disposal routes- if necessary, clean them beforehand.

### 14. TRANSPORT INFORMATION

Is not subject to current regulations for transportation of dangerous goods (ADR/RID, IMDG, IATA/ICAO)