**Section 1 - Product and Company Information**

**Product Name:** pVAC1-mcs, pVAC2-mcs

**Cat. Code:** pvac1, pvac2

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**Company identification:**

**Emergency number:** ORFILA (INRS): +33 (0)1 45 42 59 59

**Disclaimer:** All InvivoGen products are supplied for research and laboratory use only. Not for drug, household or other uses.

**Section 2 – Hazards Identification**

**Emergency Overview:**
OSHA Hazards
No known OSHA hazards

2.1 Classification of substance
Not a hazardous substance or mixture according to EC-Directives 67/548/EEC or 1999/45/EC.
Not a hazardous substance or mixture according to CLP-Regulation (EC) No. 1272/2008.

2.2 Label elements
The product does not need to be labeled in accordance with EC-Directives 67/548/EEC, to CLP-Regulation (EC) No. 1272/2008 or respective national laws.

2.3 Other hazards - none

**Section 3 – Composition/Information on Ingredient**

This product contains the components, which are listed below.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>GHS Classification</th>
<th>Pictogram</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plasmid DNA</td>
<td>Not available</td>
<td>Not available</td>
<td>Not dangerous</td>
<td>None</td>
</tr>
<tr>
<td>Fast-Media® Zeo Agar (Luria Broth based agar selective medium)</td>
<td>Not available</td>
<td>Not available</td>
<td>Not dangerous</td>
<td>None</td>
</tr>
<tr>
<td>Fast-Media® Zeo TB (Terrific Broth based selective medium)</td>
<td>Not available</td>
<td>Not available</td>
<td>Not dangerous</td>
<td>None</td>
</tr>
</tbody>
</table>
Section 4 – First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.
After skin contact: Immediately wash skin with soap and plenty of water. Consult a physician.
After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water provided person is conscious. Consult a physician.
After inhalation: Remove to fresh air. If not breathing give artificial respiration. Consult a physician.
After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

Section 5 – Fire Fighting Measures

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.
Specific hazards arising from the chemical: No data available
Special Firefighting Procedures: Wear self-contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measures

Personal precautions: Wear protective equipment. Keep unprotected persons away. Avoid dust formation.
Method for Cleaning Up: Sweep up and place in closed containers for disposal. Dispose contaminated material as waste according to section 13. Ventilate area and wash spill site after material clean-up is complete.

Section 7 – Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.
User Exposure: Avoid inhalation. Use personal protective equipment (i.e. impermeable gloves, lab coat or apron).
Storage: Store as per data sheet.

Section 8 – Exposure Controls/PPE

Personal protective equipment
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).
Hand protection
For prolonged or repeated contact use protective gloves.
Eye protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Hygiene measures
General industrial hygiene practice.

Section 9 – Physical/Chemical Properties

Appearance
Physical state: Solid
Color: White
Safety Data
Odor: No data available
Odor threshold: No data available
pH: No data available
Melting point/freezing point: No data available
Initial boiling point and boiling range: No data available
Flash point: No data available
Evaporation rate: No data available
Flammability: No data available  
Upper/lower flammability or explosive limits: No data available  
Vapor pressure: No data available  
Relative density: No data available  
Solubility: No data available  
Partition coefficient: n-octanol/water: No data available  
Autoignition temperature: No data available  
Decomposition temperature: No data available  
Viscosity: No data available  

Section 10 – Stability and Reactivity  
Reactivity: No data available  
Chemical stability: Stable under recommended storage conditions.  
Possibility of hazardous reactions: No data available  
Conditions to avoid: No data available  
Incompatible materials: No data available  
Hazardous decomposition products: No data available  

Section 11 – Toxicological Information  
Acute toxicity:  
Oral LD50: No data available  
Inhalation LC50: No data available  
Dermal LD50: No data available  
Other information on acute toxicity: No data available  
Skin corrosion/irritation: No data available  
Serious eye damage/irritation: No data available  
Respiratory or skin sensitization: No data available  
Germ cell mutagenicity: No data available  
Carcinogenicity: No data available  
Reproductive toxicity: No data available  
Additional information: No data available  

Section 12 – Ecological Information  
Ecotoxicity: No data available  
Persistence and degradability: No data available  
Bioaccumulative potential: No data available  
Mobility in soil: No data available  

Section 13 – Disposal Considerations  
Product: Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.  
Contaminated Packaging: Dispose of as unused product.  

Section 14 – Transport Information  
ADR/RID: Not dangerous goods  
DOT (US): Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods
Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

15.2 Chemical Safety Assessment
no data available

Section 16 – Other Information

The information contained in this SDS relates only to the material(s) designated and does not relate to use(s) in combination with any other material, process(es) and/or chemical reaction(s). InvivoGen provides this information in good faith and is based on our present knowledge. This SDS is provided without warranty of any kind. The recipient is responsible for ensuring that, where applicable, existing laws and guidelines are observed.