

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### Product identifiers

Product name: Lymphocyte Separating Medium, Pancoll human, Density: 1.077 g/ml  
Product number: P04-60225  
Brand: PAN Biotech

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

Identified uses: Laboratory chemicals, Manufacture of substances

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

Company: PAN Biotech GmbH  
Am Gewerbepark 13  
94501 Aidenbach  
GERMANY  
Telephone: +49-(0)8543-6016-30  
Fax: +49-(0)8543-6016-49  
E-mail: info@pan-biotech.de

### Emergency telephone number

Emergency phone: +49-(0)8543-6016-30 or +49 151 51557123

## 2. HAZARDS IDENTIFICATION

**Physical state** liquid  
**Color** colorless  
**Odor** odorless

### Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
This substance is not classified as dangerous according to Directive 67/548/EEC.

### Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

### Other hazards

None.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

#### **4. FIRST AID MEASURES**

##### **Description of first aid measures**

###### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

###### **In case of skin contact**

Wash off with soap and plenty of water. Get medical attention if symptoms appear.

###### **In case of eye contact**

Flush eyes with water as a precaution. Get medical attention if irritation occurs.

###### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms appear.

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

No data available.

#### **5. FIREFIGHTING MEASURES**

##### **Extinguishing media**

###### **Suitable extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

###### **Not suitable extinguishing media**

None known.

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

No data available.

##### **Advice for firefighters**

Wear self contained breathing apparatus for firefighting if necessary.

#### **6. ACCIDENTAL RELEASE MEASURES**

##### **Personal precautions**

Use suitable protective equipment (section 8).

##### **Environmental precautions**

No special environmental precautions required.

##### **Methods and materials for containment and cleaning up**

No special measures are typically indicated.

#### **Small spill**

No special measures are typically indicated.

### **7. HANDLING AND STORAGE**

#### **Precautions for safe handling**

No data available.

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

Store between the following temperatures: 4 to 25 °C. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

#### **Control parameters**

Product does not contain relevant quantities of materials with exposure values that have to be monitored.

#### **Appropriate engineering controls**

No special ventilation requirements.

#### **Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Personal protective equipment**

##### **Eye/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 contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### **Body Protection**

Use impervious clothing. 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 not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### **Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

a)	Appearance	liquid
b)	Odour	no data available
c)	Odour threshold	no data available
d)	pH	6.5 – 7.5
e)	Melting point	no data available
f)	Freezing point	no data available
g)	Initial boiling point	no data available
h)	Boiling range	no data available
i)	Flash point	no data available
j)	Evaporation rate	no data available
k)	Flammability (solid, gas)	no data available
l)	Upper/lower flammability	no data available
m)	Vapour pressure	no data available
n)	Vapour density	no data available
o)	Relative density	1.077 – 1.090 g/cm <sup>3</sup>
p)	Water solubility	no data available
q)	Partition coefficient n-octanol/water	no data available
r)	Autoignition temperature	no data available
s)	Decomposition temperature	no data available
t)	Viscosity	no data available
u)	Explosive properties	no data available
v)	Oxidizing properties	no data available

### **Other safety information**

No data available.

## **10. STABILITY AND REACTIVITY**

### **Reactivity**

No data available.

### **Chemical stability**

No data available.

### **Possibility of hazardous reactions**

No data available.

### **Conditions to avoid**

No data available.

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

Other decomposition products - no data available.

**11. TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Acute toxicity**

No data available.

**Skin corrosion/irritation**

No data available.

**Serious eye damage/eye irritation**

No data available.

**Respiratory or skin sensitization**

No data available.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

No data available.

**Specific target organ toxicity - single exposure**

No data available.

**Specific target organ toxicity - repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Potential health effects**

**Inhalation**

May be harmful if inhaled; may cause respiratory tract irritation.

**Ingestion**

May be harmful if swallowed.

**Skin**

May be harmful if absorbed through skin; may cause skin irritation.

### **Eyes**

May cause eye irritation.

### **Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### **Additional information**

RTECS: Not available

## **12. ECOLOGICAL INFORMATION**

### **Toxicity**

No data available.

### **Persistence and degradability**

No data available.

### **Bioaccumulative potential**

No data available.

### **Mobility in soil**

No data available.

### **Results of PBT and vPvB assessment**

No data available.

### **Other adverse effects**

No data available.

## **13. DISPOSAL CONSIDERATIONS**

### **Waste treatment methods**

#### **Product**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

#### **Contaminated packaging**

Dispose as unused product.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## **14. TRANSPORT INFORMATION**

**UN number**

ADR/RID: n.a.

IMDG: n.a.

IATA: n.a.

**UN proper shipping name**

ADR/RID: not dangerous goods

IMDG: not dangerous goods

IATA: not dangerous goods

**Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**Environmental hazards**

ADR/RID: -

IMDG marine pollutant: no

IATA: no

**Special precautions for user**

No data available.

**15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available.

**Chemical Safety Assessment**

No data available.

**16. OTHER INFORMATION**

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. PAN Biotech GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.pan-biotech.com](http://www.pan-biotech.com) or reverse side of invoice or packing slip for additional terms and conditions of sale.