



# MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), Annex II,  
as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Thrombin Reagent

### **SECTION 1: Identification of the Substance/ Mixture and of the Company/ Undertaking**

#### **1.1 Product identifier**

Product name: **LABiTec Thrombin Reagent 5x2mL for LABiTec Fibrinogen Kit  
(part of Fibrinogen Kit)**

Product number: **210-11-000-00**

#### **1.2. Relevant identified uses of the substances or mixtures and uses advised against**

Thrombin Reagent is a component of LABiTec Fibrinogen Kit used for the quantitative determination of Fibrinogen in human citrated plasma. The Thrombin Reagent is a lyophilised preparation of Bovine Thrombin (100 NIH U/mL), Buffer and Stabilizers. Each lyophilised Thrombin vial must be reconstituted with 2 mL of LABiTec Kaolin Suspension. Allow to stand at room temperature for 30 minutes before use.

#### **1.3. Details of the supplier of the Safety Data Sheet:**

Contract Manufacturer: LABiTec® LAbor BioMedical Technologies GmbH

Address: An der Strusbek 6

Place: D-22926 Ahrensburg, Germany

Telephone: +49(0) 4102/4795-0

Fax: +49(0) 4102/4795-35

E-mail: info@labitec.de

#### **1.4. Emergency contact**

Telephone Number: +49(0) 4102/4795-0

Opening hours (GMT +1): 8:30am – 3:30pm

### **SECTION 2: Hazards Identification**

#### **2.1 Classification of the substance/ mixture:**

##### **2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]**

Non-hazardous

##### **2.1.2 Additional information:**

Routine PPE is recommended for handling of biological material. For the full text of R-phrases mentioned, see SECTION 16.



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according to Regulation (EC) No. 1907/2006 (REACH), Annex II,  
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## LABiTec - Fibrinogen Kit- Thrombin Reagent

### 2.2 Label elements:

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

Hazard pictogram:

None required since product non-hazardous

Signal word: None required

Hazard statement(s): None required

Precautionary statements: None required

Supplement Hazard Information (EU): Not applicable

### 2.3 Other hazards:

None

## SECTION 3: Composition/ Information on Ingredients

### 3.1 Mixtures:

Description of the mixture: LABiTec Thrombin Reagent comprises of Bovine Thrombin (100 NIH U/mL), buffer and stabilizers.

#### Hazardous Ingredients:

Chemical concentrations in LABiTec Thrombin Reagent are not classifiable as hazardous according to (EC) No 1272/2008 [CLP].

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures:

**General advice:** Consult a physician. Show this SDS to the doctor in attendance.

**After Inhalation:** - If inhaled, remove person to fresh air. If breathing becomes difficult obtain immediate medical attention, give artificial respiration. Consult a physician.

**After Skin Contact:** - Immediately wash skin with soap and copious amounts of water. Consult a physician.

**After Eye Contact:** - Irrigate with copious amounts of clean fresh water for at least 15 minutes. If irritation persists seek medical attention.

**After Ingestion:** - Wash out mouth with water provided person is conscious. Urgently seek immediate medical attention. Consult a doctor/ physician or poison centre.



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## LABiTec - Fibrinogen Kit- Thrombin Reagent

**Self-protection for first aider:** Personal protective equipment for first aid responder is recommended.

### **SECTION 5: Fire-fighting Measures**

#### **5.1 Extinguishing media:**

Suitable extinguishing media: Water, alcohol resistant foam, CO<sub>2</sub>, Dry Chemical Extinguisher.

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

No hazardous decomposition materials known.

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

Wear suitable protective clothing/ equipment. Wear self-contained breathing apparatus for firefighting if necessary.

### **SECTION 6: Accidental Release Measures**

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

##### **6.1.1 For non-emergency personnel**

Protective Equipment: Exercise appropriate precautions to minimise direct contact with skin or eyes and prevent inhalation of vapours – Wear personal protective equipment (PPE) such as gloves, safety glasses.

Emergency Procedures: Wear respiratory protection, avoid dust formation and avoid breathing vapours, dust, mist or gas. Ensure adequate ventilation and evacuate personnel to safe areas.

##### **6.1.2 For emergency responders**

Personal protective equipment for first aid responder/s is/ are recommended.

#### **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so and do not let product enter drains.

#### **6.3 Methods and material for containment and cleaning up:**

**6.3.1 For containment:** Spillages should be contained using absorbent material to prevent contamination of drains and watercourses.

**6.3.2 For cleaning up:** Pick up and arrange disposal without additional leaking of material. Use adsorbent materials and wash spill site for decontamination after material pickup. Waste material from spillages should be disposed of in accordance with local regulations.

**6.3.3 Other information:** Spilled material may cause surfaces to become slippery, clear spills immediately.



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according to Regulation (EC) No. 1907/2006 (REACH), Annex II,  
as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Thrombin Reagent

### 6.4 Reference to other sections

Refer to section 8 for exposure controls and personal protection and sections 13 for disposal considerations.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

- 7.1.1 **Recommendations:** Wear appropriate PPE. Avoid contact with eyes, skin and clothing. For IVD Use Only. Not for medicinal use. DO NOT INGEST. Reduce the release of substance to the environment by avoiding spillages. For precautions see section 2.2.
- 7.1.2 **General occupational hygiene:** Do not eat, drink or smoke in work areas. Wash hands after use. Remove protective equipment before entering eating areas.

### 7.2 Conditions for safe storage including any incompatibilities:

Store securely in the original labelled container. Storage conditions according to product label.

### 7.3 Specific end use:

Use in accordance with product Instructions For Use provided in Kit. For In Vitro Diagnostic use only.

## SECTION 8: Exposure Controls/ Personal Protection

### 8.1 Control Parameters

- 8.1.1 **Components with workplace control parameters:** Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

- 8.2.1 **Appropriate engineering controls:**  
Follow good clinical hygiene practices adopting suitable individual protective measures. Avoid contact with skin, eyes and clothing. Do not eat or smoke while handling the product. Wash hands before breaks and immediately after handling the product.
- 8.2.2 **Personal Protection Equipment:**
  - 8.2.2.1 **Eye/ face Protection:**  
Wear safety glasses or goggles. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).



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according to Regulation (EC) No. 1907/2006 (REACH), Annex II,  
as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Thrombin Reagent

### 8.2.2.2 Skin Protection:

Handle with gloves. Gloves must be inspected prior to use to ensure good condition. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good laboratory practice and applicable laws. Wash hands and dry.

### 8.2.2.3 Body Protection:

Wear laboratory coat/ work coat or apron in line with protective equipment at the specific work place.

### 8.2.2.4 Respiratory Protection

Wear simple mask to prevent inhalation of dust / vapour.

### 8.2.3 Environmental Exposure Controls

Prevent further leakage or spillage if safe to do so as described in section 6.3. Do not let product enter drains.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|    |                                                       |                                                                      |
|----|-------------------------------------------------------|----------------------------------------------------------------------|
| a) | <b>Appearance:</b>                                    | - Clear colourless solution housed in glass vial with integral seal. |
| b) | <b>Odour:</b>                                         | Odourless                                                            |
| c) | <b>Odour threshold:</b>                               | No data available                                                    |
| d) | <b>pH:</b>                                            | Neutral                                                              |
| e) | <b>Melting point/ freezing point:</b>                 | Melting point/range: No data available                               |
| f) | <b>Initial boiling point and boiling range:</b>       | No data available                                                    |
| g) | <b>Flash Point:</b>                                   | No data available                                                    |
| h) | <b>Evaporation Weight</b>                             | No data available                                                    |
| i) | <b>Flammability (solid, gas):</b>                     | No data available                                                    |
| j) | <b>Upper/ lower flammability or explosive limits:</b> | No data available                                                    |
| k) | <b>Vapour Pressure:</b>                               | No data available                                                    |
| l) | <b>Vapour Density:</b>                                | No data available                                                    |
| m) | <b>Relative Density</b>                               | No data available                                                    |
| n) | <b>Water Solubility</b>                               | No data available                                                    |
| o) | <b>Partition Coefficient: n-octanol/ water</b>        | No data available                                                    |
| p) | <b>Auto-ignition temperature</b>                      | No data available                                                    |
| q) | <b>Decomposition temperature</b>                      | No data available                                                    |
| r) | <b>Viscosity</b>                                      | No data available                                                    |
| s) | <b>Explosive properties</b>                           | No data available                                                    |
| t) | <b>Oxidising Properties</b>                           | No data available                                                    |



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## LABiTec - Fibrinogen Kit- Thrombin Reagent

### 9.2 Other safety information

Water soluble

### SECTION 10: Stability and Reactivity

**10.1 Reactivity:** No data available

**10.2 Chemical stability:** This product is stable in normal conditions of use and storage.

**10.3 Possibility of hazardous reactions:** No data available

**10.4 Conditions to avoid:** No data available

**10.5 Incompatible materials:** Bases, oxidising agents, iron and irons salts, copper.

**10.6 Hazardous decomposition products:** No known hazardous decomposition products

### SECTION 11: Toxicological Information

**11.1 Information on toxicological effects:**

**Acute Toxicity:** No data available

**Skin corrosion/ irritation:** No data available

**Serious Eye damage/ irritation:** No data available

**Respiratory or skin sensitisation:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity: IARC:** No data available

**Reproductive Toxicity:** No data available

**Summary of evaluation of the CMR properties:** No data available

**STOT-single exposure:** No data available

**STOT-repeated exposure:** No data available

**Aspiration hazard:** No data available

**Additional Information:** No data available

### SECTION 12: Ecological Information

**12.1 Toxicity:** No data available

**12.2 Persistence and degradability:** No data available

**12.3 Bio-accumulative potential:** No data available

**12.4 Mobility in soil:** No data available

**12.5 Results of PBT and vPvB assessment:** No data available



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according to Regulation (EC) No. 1907/2006 (REACH), Annex II,  
as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Thrombin Reagent

### 12.6 Other adverse effects: No data available

Use according to good clinical hygiene practices; avoid dispersion of the product in the environment.

### SECTION 13: Disposal Considerations

#### 13.1 Waste treatment methods

**Product:** Disposal of waste must always comply with existing EEC, national and local regulations. Registered waste carriers and licensed disposal sites must be used.

**Contaminated packaging:** Dispose of as unused product.

### SECTION 14: Transport Information

14.1 UN number: No number available/ not required for mixture

14.2 UN Proper Shipping name: Not required

14.3 Transport Hazard Classes: Not required

14.4 Packaging Group: Not required

14.5 Environmental Hazards: Not required

14.6 Special precautions for user: Not required

14.7 Transport in bulk according to Annex II MARPOL73/78 and the IBC Code: It is not intended that this product is transported as bulk and therefore the shipping/ transport regulations for bulk hazardous material do not apply.

### SECTION 15: Regulatory Information

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

15.2 Chemical Safety Assessment: No chemical safety assessment has been carried out for this substance/ mixture by the supplier.

### SECTION 16: Other Information

Full text of H-Statements referred to under sections 2 and 3

Not applicable

Full text of R-phrases referred to under sections 2 and 3

Not applicable



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according to Regulation (EC) No. 1907/2006 (REACH), Annex II,  
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### LABiTec - Fibrinogen Kit- Thrombin Reagent

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- LABiTec Thrombin Reagent is a non-hazardous product

**Note for the user:** The data contained in this sheet is the result of the most up to date information available in our company. The user must ensure that the information is suitable and complete in relation to the specific use of the product.





# MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), Annex II,  
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## LABiTec - Fibrinogen Kit- Kaolin Suspension

### **SECTION 1: Identification of the Substance/ Mixture and of the Company/ Undertaking**

#### **1.1 Product identifier**

Product name: **LABiTec Kaolin Suspension 1x11mL for LABiTec Fibrinogen Kit  
(part of Fibrinogen Kit)**

Product number: **210-11-000-00**

#### **1.2. Relevant identified uses of the substances or mixtures and uses advised against**

Kaolin Suspension is a component of LABiTec Fibrinogen Kit and is supplied for the reconstitution of Thrombin Reagent. Kaolin Suspension is provided liquid stable and must be mixed vigorously before use.

#### **1.3. Details of the supplier of the Safety Data Sheet:**

Contract Manufacturer: LABiTec® LAbor BioMedical Technologies GmbH

Address: An der Strusbek 6

Place: D-22926 Ahrensburg, Germany

Telephone: +49(0) 4102/4795-0

Fax: +49(0) 4102/4795-35

E-mail: info@labitec.de

#### **1.4. Emergency contact**

Telephone Number: +49(0) 4102/4795-0

Opening hours (GMT +1): 8:30am – 3:30pm

### **SECTION 2: Hazards Identification**

#### **2.1 Classification of the substance/ mixture:**

##### **2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]**

Non-hazardous

##### **2.1.2 Additional information:**

For the full text of R-phrases mentioned, see SECTION 16.



# MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), Annex II,  
as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Kaolin Suspension

### 2.2 Label elements:

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

Hazard pictogram:

None required since product non-hazardous

Signal word: None required

Hazard statement(s): None required

Precautionary statements: None required

Supplement Hazard Information (EU): Not applicable

### 2.3 Other hazards:

None

## SECTION 3: Composition/ Information on Ingredients

### 3.1 Mixtures:

Description of the mixture: LABiTec Kaolin Suspension comprises of Kaolin and 0.095% Sodium Azide as preservative.

#### Hazardous Ingredients:

Chemical concentrations in LABiTec Kaolin Suspension are not classifiable as hazardous according to (EC) No 1272/2008 [CLP].

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures:

**General advice:** Consult a physician. Show this SDS to the doctor in attendance.

**After Inhalation:** - If inhaled, remove person to fresh air. If breathing becomes difficult obtain immediate medical attention, give artificial respiration. Consult a physician.

**After Skin Contact:** - Immediately wash skin with soap and copious amounts of water. Consult a physician.

**After Eye Contact:** - Irrigate with copious amounts of clean fresh water for at least 15 minutes. If irritation persists seek medical attention.

**After Ingestion:** - Wash out mouth with water provided person is conscious. Urgently seek immediate medical attention. Consult a doctor/ physician or poison centre.



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## LABiTec - Fibrinogen Kit- Kaolin Suspension

**Self-protection for first aider:** Personal protective equipment for first aid responder is recommended.

### **SECTION 5: Fire-fighting Measures**

#### **5.1 Extinguishing media:**

Suitable extinguishing media: Water, alcohol resistant foam, CO<sub>2</sub>, Dry Chemical Extinguisher.

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

No hazardous decomposition materials known.

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

Wear suitable protective clothing/ equipment. Wear self-contained breathing apparatus for firefighting if necessary.

### **SECTION 6: Accidental Release Measures**

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

##### **6.1.1 For non-emergency personnel**

Protective Equipment: Exercise appropriate precautions to minimise direct contact with skin or eyes and prevent inhalation of vapours – Wear personal protective equipment (PPE) such as gloves, safety glasses.

Emergency Procedures: Wear respiratory protection, avoid dust formation and avoid breathing vapours, dust, mist or gas. Ensure adequate ventilation and evacuate personnel to safe areas.

##### **6.1.2 For emergency responders**

Personal protective equipment for first aid responder/s is/ are recommended.

#### **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so and do not let product enter drains.

#### **6.3 Methods and material for containment and cleaning up:**

**6.3.1 For containment:** Spillages should be contained using absorbent material to prevent contamination of drains and watercourses.

**6.3.2 For cleaning up:** Pick up and arrange disposal without additional leaking of material. Use adsorbent materials and wash spill site for decontamination after material pickup. Waste material from spillages should be disposed of in accordance with local regulations.

**6.3.3 Other information:** Spilled material may cause surfaces to become slippery, clear spills immediately.



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## LABiTec - Fibrinogen Kit- Kaolin Suspension

### 6.4 Reference to other sections

Refer to section 8 for exposure controls and personal protection and sections 13 for disposal considerations.

### SECTION 7: Handling and Storage

#### 7.1 Precautions for safe handling

- 7.1.1 **Recommendations:** Wear appropriate PPE. Avoid contact with eyes, skin and clothing. For IVD Use Only. Not for medicinal use. DO NOT INGEST. Reduce the release of substance to the environment by avoiding spillages. For precautions see section 2.2.
- 7.1.2 **General occupational hygiene:** Do not eat, drink or smoke in work areas. Wash hands after use. Remove protective equipment before entering eating areas.

#### 7.2 Conditions for safe storage including any incompatibilities:

Store securely in the original labelled container. Storage conditions according to product label.

#### 7.3 Specific end use:

Use in accordance with product Instructions For Use provided in Kit. For In Vitro Diagnostic use only.

### SECTION 8: Exposure Controls/ Personal Protection

#### 8.1 Control Parameters

- 8.1.1 **Components with workplace control parameters:** Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

- 8.2.1 **Appropriate engineering controls:**  
Follow good clinical hygiene practices adopting suitable individual protective measures. Avoid contact with skin, eyes and clothing. Do not eat or smoke while handling the product. Wash hands before breaks and immediately after handling the product.
- 8.2.2 **Personal Protection Equipment:**
  - 8.2.2.1 **Eye/ face Protection:**  
Wear safety glasses or goggles. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).



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as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Kaolin Suspension

### 8.2.2.2 Skin Protection:

Handle with gloves. Gloves must be inspected prior to use to ensure good condition. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good laboratory practice and applicable laws. Wash hands and dry.

### 8.2.2.3 Body Protection:

Wear laboratory coat/ work coat or apron in line with protective equipment at the specific work place.

### 8.2.2.4 Respiratory Protection

Wear simple mask to prevent inhalation of dust / vapour.

### 8.2.3 Environmental Exposure Controls

Prevent further leakage or spillage if safe to do so as described in section 6.3. Do not let product enter drains.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

- |    |                                                       |                                                                                                                                                                  |
|----|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a) | <b>Appearance:</b>                                    | - White cloudy solution housed in a glass vial with integral seal. Kaolin suspension must be mixed before use as kaolin particulates may settle in base of vial. |
| b) | <b>Odour:</b>                                         | Odourless                                                                                                                                                        |
| c) | <b>Odour threshold:</b>                               | No data available                                                                                                                                                |
| d) | <b>pH:</b>                                            | Neutral                                                                                                                                                          |
| e) | <b>Melting point/ freezing point:</b>                 | Melting point/range: No data available                                                                                                                           |
| f) | <b>Initial boiling point and boiling range:</b>       | No data available                                                                                                                                                |
| g) | <b>Flash Point:</b>                                   | No data available                                                                                                                                                |
| h) | <b>Evaporation Weight</b>                             | No data available                                                                                                                                                |
| i) | <b>Flammability (solid, gas):</b>                     | No data available                                                                                                                                                |
| j) | <b>Upper/ lower flammability or explosive limits:</b> | No data available                                                                                                                                                |
| k) | <b>Vapour Pressure:</b>                               | No data available                                                                                                                                                |
| l) | <b>Vapour Density:</b>                                | No data available                                                                                                                                                |
| m) | <b>Relative Density</b>                               | No data available                                                                                                                                                |
| n) | <b>Water Solubility</b>                               | No data available                                                                                                                                                |
| o) | <b>Partition Coefficient: n-octanol/ water</b>        | No data available                                                                                                                                                |
| p) | <b>Auto-ignition temperature</b>                      | No data available                                                                                                                                                |
| q) | <b>Decomposition temperature</b>                      | No data available                                                                                                                                                |
| r) | <b>Viscosity</b>                                      | No data available                                                                                                                                                |
| s) | <b>Explosive properties</b>                           | No data available                                                                                                                                                |
| t) | <b>Oxidising Properties</b>                           | No data available                                                                                                                                                |



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as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Kaolin Suspension

### 9.2 Other safety information

Water soluble

### SECTION 10: Stability and Reactivity

**10.1 Reactivity:** No data available

**10.2 Chemical stability:** This product is stable in normal conditions of use and storage.

**10.3 Possibility of hazardous reactions:** No data available

**10.4 Conditions to avoid:** No data available

**10.5 Incompatible materials:** Bases, oxidising agents, iron and irons salts, copper.

**10.6 Hazardous decomposition products:** No known hazardous decomposition products

### SECTION 11: Toxicological Information

**11.1 Information on toxicological effects:**

**Acute Toxicity:** No data available

**Skin corrosion/ irritation:** No data available

**Serious Eye damage/ irritation:** No data available

**Respiratory or skin sensitisation:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity: IARC:** No data available

**Reproductive Toxicity:** No data available

**Summary of evaluation of the CMR properties:** No data available

**STOT-single exposure:** No data available

**STOT-repeated exposure:** No data available

**Aspiration hazard:** No data available

**Additional Information:** No data available

### SECTION 12: Ecological Information

**12.1 Toxicity:** No data available

**12.2 Persistence and degradability:** No data available

**12.3 Bio-accumulative potential:** No data available

**12.4 Mobility in soil:** No data available

**12.5 Results of PBT and vPvB assessment:** No data available



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as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Kaolin Suspension

### 12.6 Other adverse effects: No data available

Use according to good clinical hygiene practices; avoid dispersion of the product in the environment.

### SECTION 13: Disposal Considerations

#### 13.1 Waste treatment methods

**Product:** Disposal of waste must always comply with existing EEC, national and local regulations. Registered waste carriers and licensed disposal sites must be used.

**Contaminated packaging:** Dispose of as unused product.

### SECTION 14: Transport Information

14.1 UN number: No number available/ not required for mixture

14.2 UN Proper Shipping name: Not required

14.3 Transport Hazard Classes: Not required

14.4 Packaging Group: Not required

14.5 Environmental Hazards: Not required

14.6 Special precautions for user: Not required

14.7 Transport in bulk according to Annex II MARPOL73/78 and the IBC Code: It is not intended that this product is transported as bulk and therefore the shipping/ transport regulations for bulk hazardous material do not apply.

### SECTION 15: Regulatory Information

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

15.2 Chemical Safety Assessment: No chemical safety assessment has been carried out for this substance/ mixture by the supplier.

### SECTION 16: Other Information

Full text of H-Statements referred to under sections 2 and 3

Not applicable

Full text of R-phrases referred to under sections 2 and 3

Not applicable



## MATERIAL SAFETY DATA SHEET

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### LABiTec - Fibrinogen Kit- Kaolin Suspension

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- LABiTec Kaolin Suspension is a non-hazardous product

**Note for the user:** The data contained in this sheet is the result of the most up to date information available in our company. The user must ensure that the information is suitable and complete in relation to the specific use of the product.





# MATERIAL SAFETY DATA SHEET

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as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Imidazole Buffer

### SECTION 1: Identification of the Substance/ Mixture and of the Company/ Undertaking

#### 1.1 Product identifier

Product name: **LABiTec Imidazole Buffer 4x25mL for LABiTec Fibrinogen Kit  
(part of Fibrinogen Kit)**

Product number: **210-11-000-00**

#### 1.2. Relevant identified uses of the substances or mixtures and uses advised against

Imidazole Buffer is a component of LABiTec Fibrinogen Kit and is supplied for the dilution of control samples, calibration standards and patient samples. The Buffer is provided liquid stable and ready to use.

#### 1.3. Details of the supplier of the Safety Data Sheet:

Contract Manufacturer: LABiTec® LAbor BioMedical Technologies GmbH

Address: An der Strusbek 6

Place: D-22926 Ahrensburg, Germany

Telephone: +49(0) 4102/4795-0

Fax: +49(0) 4102/4795-35

E-mail: info@labitec.de

#### 1.4. Emergency contact

Telephone Number: +49(0) 4102/4795-0

Opening hours (GMT +1): 8:30am – 3:30pm

### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance/ mixture:

**2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]**  
Reproductive Toxicity Category 1B H360D

**2.1.3 Additional information:**  
For the full text of H-phrases mentioned, see SECTION 16.



# MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), Annex II,  
as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Imidazole Buffer

### 2.2 Label elements

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

Hazard pictogram:  
Health Hazard Pictogram



Signal word: Danger

Hazard statement(s):  
H360D May damage the unborn child

Precautionary statements:

P201 Obtain special instructions for use  
P260 Do not breath dust/ fume/ gas/ mist/ vapours/ spray  
P280 Wear protective gloves/ protective clothing/eye protection/face protection  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.  
P308+P313 If exposed or concerned: Get medical advice/ attention.

Supplement Hazard Information (EU): Not applicable  
Intended to be used by professional users of IVD reagents

### 2.3 Other hazards

None

## SECTION 3: Composition/ Information on Ingredients

### 3.1 Mixtures

Description of the mixture: LABiTec Imidazole Buffer comprises of Imidazole 0.33% and 0.092% Sodium Azide as preservative.

#### Hazardous Ingredients:

| CAS No   | EC No     | REACH No       | % Weight | Name                                               | Classification (EC) No 1272/2008        |
|----------|-----------|----------------|----------|----------------------------------------------------|-----------------------------------------|
| 288-32-4 | 206-019-2 | None available | 0.33     | Imidazole 1,3-Diaza-2,4-cyclopentadiene Glyoxaline | Reproductive Toxicity Category 1B H360D |



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according to Regulation (EC) No. 1907/2006 (REACH), Annex II,  
as amended by Regulation (EU) No. 453/2010

## LABiTec - Fibrinogen Kit- Imidazole Buffer

### SECTION 4: First Aid Measures

#### 4.1 Description of first aid measures

**General advice:** Consult a physician. Show this SDS to the doctor in attendance.

**After Inhalation:** If inhaled, remove person to fresh air. If breathing becomes difficult obtain immediate medical attention, give artificial respiration. Consult a physician.

**After Skin Contact:** Take off contaminated clothing and shoes immediately. Immediately wash skin with soap and copious amounts of water. Consult a physician.

**After Eye Contact:** Irrigate with copious amounts of clean fresh water for at least 15 minutes and consult a physician.

**After Ingestion:** Do NOT induce vomiting. Wash out mouth with water, provided person is conscious. Never give anything by mouth to an unconscious person. Consult a doctor/ physician or poison centre.

**Self-protection for first aider:** Personal protective equipment for first aid responder is recommended.

### SECTION 5: Fire-fighting Measures

#### 5.1 Extinguishing media

Suitable extinguishing media: Water, alcohol resistant foam, CO<sub>2</sub>, Dry Chemical Extinguisher.

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

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Hydrogen cyanide (hydrocyanic acid).

#### 5.3 Advice for firefighters

Wear suitable protective clothing/ equipment. Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6: Accidental Release Measures

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

##### 6.1.1 For non-emergency personnel

Protective Equipment: Exercise appropriate precautions to minimise direct contact with skin or eyes and prevent inhalation of vapours – Wear personal protective equipment (PPE) such as gloves, safety glasses.

Emergency Procedures: Wear respiratory protection, avoid dust formation and avoid breathing vapours, dust, mist or gas. Ensure adequate ventilation and evacuate personnel to safe areas.



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### 6.1.2 For emergency responders

Personal protective equipment for first aid responder/s is/ are recommended.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so and do not let product enter drains.

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

- 6.3.1 **For containment:** Spillages should be contained using absorbent material to prevent contamination of drains and watercourses.
- 6.3.2 **For cleaning up:** Pick up and arrange disposal without additional leaking of material. Use adsorbent materials and wash spill site for decontamination after material pickup. Waste material from spillages should be disposed of in accordance with local regulations.
- 6.3.3 **Other information:** Spilled material may cause surfaces to become slippery, clear spills immediately.

### 6.4 Reference to other sections

Refer to section 8 for exposure controls and personal protection and sections 13 for disposal considerations.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

- 7.1.1 **Recommendations:** Wear appropriate PPE. Avoid contact with eyes, skin and clothing. For IVD Use Only. Not for medicinal use. DO NOT INGEST. Reduce the release of substance to the environment by avoiding spillages. For precautions, see section 2.2.
- 7.1.2 **General occupational hygiene:** Do not eat, drink or smoke in work areas. Wash hands after use. Remove protective equipment before entering eating areas.

### 7.2 Conditions for safe storage including any incompatibilities

Store securely in the original labelled container. Storage conditions according to product label.

### 7.3 Specific end use

Use in accordance with product Instructions For Use provided in Kit. For In Vitro Diagnostic use only.



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### SECTION 8: Exposure Controls/ Personal Protection

#### 8.1 Control Parameters

- 8.1.1 Components with workplace control parameters:** Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

**8.2.1 Appropriate engineering controls:**

Follow good clinical hygiene practices adopting suitable individual protective measures. Avoid contact with skin, eyes and clothing. Do not eat or smoke while handling the product. Wash hands before breaks and immediately after handling the product.

**8.2.2 Personal Protection Equipment:**

**8.2.2.1 Eye/ face Protection:**

Wear safety glasses or goggles. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

**8.2.2.2 Skin Protection:**

Handle with gloves. Gloves must be inspected prior to use to ensure good condition. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good laboratory practice and applicable laws. Wash hands and dry.

**8.2.2.3 Body Protection:**

Wear laboratory coat/ work coat or apron in line with protective equipment at the specific work place.

**8.2.2.4 Respiratory Protection**

Wear simple mask to prevent inhalation of dust / vapour.

**8.2.3 Environmental Exposure Controls**

Prevent further leakage or spillage if safe to do so as described in section 6.3. Do not let product enter drains.

### SECTION 9: Physical and Chemical Properties

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

- |    |                                       |                                                                         |
|----|---------------------------------------|-------------------------------------------------------------------------|
| a) | <b>Appearance:</b>                    | - Clear colourless solution housed in a HDPR bottle with screw cap seal |
| b) | <b>Odour:</b>                         | Odourless                                                               |
| c) | <b>Odour threshold:</b>               | No data available                                                       |
| d) | <b>pH:</b>                            | Neutral                                                                 |
| e) | <b>Melting point/ freezing point:</b> | Melting point/range: No data available                                  |



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|    |                                                |                   |
|----|------------------------------------------------|-------------------|
| f) | Initial boiling point and boiling range:       | No data available |
| g) | Flash Point:                                   | No data available |
| h) | Evaporation Weight                             | No data available |
| i) | Flammability (solid, gas):                     | No data available |
| j) | Upper/ lower flammability or explosive limits: | No data available |
| k) | Vapour Pressure:                               | No data available |
| l) | Vapour Density:                                | No data available |
| m) | Relative Density                               | No data available |
| n) | Water Solubility                               | No data available |
| o) | Partition Coefficient: n-octanol/ water        | No data available |
| p) | Auto-ignition temperature                      | No data available |
| q) | Decomposition temperature                      | No data available |
| r) | Viscosity                                      | No data available |
| s) | Explosive properties                           | No data available |
| t) | Oxidising Properties                           | No data available |

### 9.2 Other safety information

Water soluble

### SECTION 10: Stability and Reactivity

**10.1 Reactivity:** No data available

**10.2 Chemical stability:** This product is stable in normal conditions of use and storage.

**10.3 Possibility of hazardous reactions:** No data available

**10.4 Conditions to avoid:** No data available

**10.5 Incompatible materials:** Bases, oxidising agents, iron and irons salts, copper.

**10.6 Hazardous decomposition products:** No known hazardous decomposition products

### SECTION 11: Toxicological Information

**11.1 Information on toxicological effects:**

**Acute Toxicity:** LD 50 Oral - Rat -970mg/Kg

**Skin corrosion/ irritation:** Skin – Rabbit, Result – Causes Burns

**Serious Eye damage/ irritation:** No data available

**Respiratory or skin sensitisation:** No data available

**Germ cell mutagenicity:** Did not show mutagenic effects in animal experiments

**Carcinogenicity: IARC:** No data available

**Reproductive Toxicity:** May damage the unborn child. Presumed human reproductive toxicant





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## LABiTec - Fibrinogen Kit- Imidazole Buffer

**14.6 Special precautions for user:** Not required

**14.7 Transport in bulk according to Annex II MARPOL73/78 and the IBC Code:** It is not intended that this product is transported as bulk and therefore the shipping/ transport regulations for bulk hazardous material do not apply.

### 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 chemical safety assessment has been carried out for this substance/ mixture by the supplier.

### SECTION 16: Other Information

**Full text of H-Statements referred to under sections 2 and 3**

H360D            May damage the unborn child

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Reproductive Toxicity Category 1B            Calculation Method

**Note for the user:** The data contained in this sheet is the result of the most up to date information available in our company. The user must ensure that the information is suitable and complete in relation to the specific use of the product.