

Safety Data Sheet for Isohelix Buccal Swab-Mag DNA kit BSM-12

Contents:

BLS Buffer	Low risk – details below
Proteinase K	Details below
Binding Buffer	Low risk – details below
Magnetic Beads	Low risk – details below
Wash Buffer	Low risk – not required
Elution Buffer	Low risk – not required

BLS Solution

1. Identification of the substance/mixture and of the company/undertaking:

Product details:

Trade name: Solution BLS

Manufacturer/Supplier: Cell Projects Ltd.

Further Information available from: Cell Projects Ltd., Unit 2 Roebuck Business Park, Ashford Road, Harrietsham, Kent ME17 1AB

Tel.: ++44 (0) 1622 763741 Email: info@isohelix.com

2. Hazards identification:

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Not a hazardous substance or mixture according EC directives 67/548/EEC or 1999/45/EC

3. Composition/information on ingredients:

Description: Liquid. Proprietary compound mixture.

4. First-aid measures:

After contact with eyes: Check for and remove any contact lenses. In case of contact, flush eyes with plenty of water for 15 minutes. Get medical attention if irritation occurs.

After contact with skin: Wash immediately with plenty of water. Remove contaminated clothing and wash before re-use.

After inhalation: Remove to fresh air. If not breathing give artificial respiration. Seek medical advice in case of breathing difficulties.

After swallowing: Wash out mouth with water provided person is conscious. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms appear.

5. Fire-fighting measures: Non-flammable.

Suitable extinguishing agents for surrounding fire: CO₂, powder or water spray.

Protective equipment: Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.

6. Accidental release measures: Use personal protective equipment as detailed in section 8. Ensure adequate ventilation.

Soak up with inert absorbent material and dispose of according to regulations.

7. Handling and storage: Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. Wash thoroughly after handling. Keep in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection:

Exposure controls: None listed

Personal Protective equipment:

Eyes: wear appropriate protective safety goggles with side shields.

Skin: wear appropriate protective gloves.

Clothing: wear appropriate protective clothing.

Environmental exposure controls: Prevent from entering the drains.

9. **Physical and chemical properties:** Physical state: liquid. Colour: colourless. Odour: odourless.
Other properties: N/A

10. **Stability and reactivity:** The product is stable.
Incompatible materials: oxidising agents.
Hazardous decomposition products: No data available.

11. **Toxicological information:**
Acute toxicity: No data available.
Potential health effects:
Eyes – may be irritating to eyes with susceptible persons. Non-corrosive for the eyes.
Skin – may be slightly irritating to skin. Non-corrosive for the skin.
Inhalation – may be irritating to respiratory system. Non-corrosive for lungs.
Ingestion – may be harmful if swallowed.

12. **Ecological information:** No data available.

13. **Disposal considerations:** Dispose of in accordance with local regulations.

14. **Transport information:** Non-hazardous for transport.

15. **Regulatory information:**
European/International Regulations: European labelling in accordance with EC Directives.
Hazard Symbol: none
Non-hazardous mixture

16. **Other information:** This information is believed to be accurate and represents the best information based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product feature and in no case shall the company be liable for any claims, losses or damages, including lost profits.

Proteinase K

1. **Identification of the substance/mixture and of the company/undertaking:**
Product details: Trade name: Proteinase K
Manufacturer/Supplier: Cell Projects Ltd.
Further Information available from: Cell Projects Ltd., Unit 2 Roebuck Business Park, Ashford Road, Harrietsham, Kent ME17 1AB Tel.: ++44 (0) 1622 763741 Email: info@isohelix.com

2. **Hazards identification:**
Hazard description: XN Harmful
R 36/37/38 Irritating to eyes, respiratory system and skin.
R 42 Irritant - may cause sensitisation by inhalation and skin contact.

3. **Composition/information on ingredients:**
Chemical name: Proteinase K
CAS No: 39450-01-6

4. **First-aid measures:**
After contact with eyes: Immediately flush opened eyes with running water for several minutes.
After contact with skin: Immediately wash skin with soap and copious amounts of water.
After inhalation: Remove to fresh air and monitor breathing. If not breathing give artificial respiration. Call a Doctor.
After swallowing: Wash out mouth with water provided person is conscious. Call a Doctor.

5. **Fire-fighting measures:**
Suitable extinguishing agents: CO₂, powder or water spray.
Protective equipment: Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.
6. **Accidental release measures:** Use personal protective equipment as detailed in section 8. Ensure adequate ventilation. Prevent seepage into drains. Pick up without creating dust and place into a suitable disposal container.
7. **Handling and storage:** Ensure adequate ventilation, minimise dust generation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Store in a tightly closed container.
8. **Exposure controls/personal protection:**
Exposure controls: None listed
Personal Protective equipment: Eyes: wear appropriate protective safety goggles.
 Skin: wear appropriate protective gloves.
 Clothing: wear appropriate protective clothing.
9. **Physical and chemical properties:** Physical state: Solid. Colour: White. Odour: None
 Solubility in water: Soluble. Other properties: N/A
10. **Stability and reactivity:** Stable under normal temperatures and pressures.
 Incompatible materials: strong oxidising agents. No data available on hazardous decomposition products.
11. **Toxicological information:** Acute toxicity: No data available.
 Irritant effect: Irritating to eyes, skin, mucous membranes and respiratory tract.
 Sensitisation: May cause sensitisation through inhalation or skin contact.
12. **Ecological information:** Not available.
13. **Disposal considerations:** Dispose of in a manner consistent with state and local regulations.
14. **Transport information:** Non-hazardous for transport.
15. **Regulatory information:**
 European/International Regulations: European labelling in accordance with EC Directives:
 Hazard Symbol: XN
 Risk phrases: R 36/37/38 Irritating to eyes, respiratory system and skin.
 R 42/43 May cause sensitisation by inhalation and skin contact.
 Safety phrases: S 22 Do not breathe dust
 S 24 Avoid contact with skin
 S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 Water hazard class: generally not hazardous for water.
16. **Other information:** This information is believed to be accurate and represents the best information based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product feature and in no case shall the company be liable for any claims, losses or damages, including lost profits.

Binding Buffer

1. **Identification of the substance/mixture and of the company/undertaking:**
 - a. Product details:
 - b. Trade name: Binding Buffer
 - c. Manufacturer/Supplier: Cell Projects Ltd.
 - d. Further Information available from: Cell Projects Ltd., Unit 2 Roebuck Business Park, Ashford Road, Harrietsham, Kent ME17 1AB
 - e. Tel.: ++44 (0) 1622 763741 Email: info@isohelix.com

2. Hazards identification:

- a. **Classification of the substance or mixture**
- b. Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
- c. Not a hazardous substance or mixture according to EC directives 67/548/EEC or 1999/45/EC

3. Composition/information on ingredients:

- a. Description: Liquid. Proprietary compound mixture.

4. First-aid measures:

- a. **After contact with eyes:** Check for and remove any contact lenses. In case of contact, flush eyes with plenty of water for 15 minutes. Get medical attention if irritation occurs.
- b. **After contact with skin:** Wash off immediately with plenty of water. Remove contaminated clothing and wash before re-use.
- c. **After inhalation:** Remove to fresh air. If not breathing give artificial respiration. Seek medical advice in case of breathing difficulties.
- d. **After swallowing:** Wash out mouth with water provided person is conscious. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms appear.

5. Fire-fighting measures: Non-flammable.

- a. **Suitable extinguishing agents for surrounding fire:** CO₂, powder or water spray.
- b. **Protective equipment:** Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.

6. Accidental release measures: Use personal protective equipment as detailed in section 8. Ensure adequate ventilation. Soak up with inert absorbent material and dispose of according to regulations.

7. Handling and storage: Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. Wash thoroughly after handling. Keep in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection:

- a. **Exposure controls:** None listed
- b. **Personal Protective equipment:**
- c. Eyes: wear appropriate protective safety goggles with side shields.
- d. Skin: wear appropriate protective gloves.
- e. Clothing: wear appropriate protective clothing.
- f. Environmental exposure controls: Prevent from entering the drains.

9. Physical and chemical properties: Physical state: liquid. Colour: colourless. Odour: odourless.

- a. Other properties: N/A

10. Stability and reactivity: The product is stable.

- a. Incompatible materials: oxidising agents.
- b. Hazardous decomposition products: No data available.

11. Toxicological information:

- a. Acute toxicity: No data available.
- b. Potential health effects:
- c. Eyes – may be irritating to eyes with susceptible persons. Non-corrosive for the eyes.
- d. Skin – may be slightly irritating to skin. Non-corrosive for the skin.
- e. Inhalation – may be irritating to respiratory system. Non-corrosive for lungs.
- f. Ingestion – may be harmful if swallowed.

12. Ecological information: No data available.

13. Disposal considerations: Dispose of in accordance with local regulations.

14. Transport information: Non-hazardous for transport.

15. Regulatory information:

- a. European/International Regulations: European labelling in accordance with EC Directives.
- b. Hazard Symbol: none
- c. Non-hazardous mixture

16. Other information: This information is believed to be accurate and represents the best information based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product feature and in no case shall the company be liable for any claims, losses or damages, including lost profits.

Magnetic Beads

1. Identification of the substance/mixture and of the company/undertaking:

- a. Product details:
- b. Trade name: Binding Buffer
- c. Manufacturer/Supplier: Cell Projects Ltd.
- d. Further Information available from: Cell Projects Ltd., Unit 2 Roebuck Business Park, Ashford Road, Harrietsham, Kent ME17 1AB
- e. Tel.: ++44 (0) 1622 763741 Email: info@isohelix.com

2. Hazards identification:

- a. **Classification of the substance or mixture**
- b. Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
- c. Not a hazardous substance or mixture according EC directives 67/548/EEC or 1999/45/EC

3. Composition/information on ingredients:

- a. No components need to be disclosed according to the applicable regulations.

4. First-aid measures:

- a. **After contact with eyes:** Check for and remove any contact lenses. In case of contact, flush eyes with plenty of water for 15 minutes. Get medical attention if irritation occurs.
- b. **After contact with skin:** Wash off immediately with plenty of water. Remove contaminated clothing and wash before re-use.
- c. **After inhalation:** Remove to fresh air. If not breathing give artificial respiration. Seek medical advice in case of breathing difficulties.
- d. **After swallowing:** Wash out mouth with water provided person is conscious. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms appear.

5. Fire-fighting measures: Non-flammable.

- a. **Suitable extinguishing agents for surrounding fire:** CO₂, powder or water spray.
- b. **Protective equipment:** Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.

6. Accidental release measures: Use personal protective equipment as detailed in section 8. Ensure adequate ventilation. Soak up with inert absorbent material and dispose of according to regulations.

7. Handling and storage: Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. Wash thoroughly after handling. Keep in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection:

- a. **Exposure controls:** None listed
- b. **Personal Protective equipment:**
- c. Eyes: wear appropriate protective safety goggles with side shields.
- d. Skin: wear appropriate protective gloves.
- e. Clothing: wear appropriate protective clothing.
- f. Environmental exposure controls: Prevent from entering the drains.

9. **Physical and chemical properties:** Physical state: liquid. Odour: no data available.
 - a. Other properties: N/A

10. **Stability and reactivity:** The product is stable.
 - a. Incompatible materials: oxidising agents.
 - b. Hazardous decomposition products: No data available.

11. **Toxicological information:**
 - a. Acute toxicity: No data available
 - b. Potential health effects: No data available
 - c. Eyes: No data available
 - d. Skin: No data available
 - e. Inhalation: No data available
 - f. Ingestion: No data available

12. **Ecological information:** No data available.

13. **Disposal considerations:** Dispose of in accordance with local regulations.

14. **Transport information:** Non-hazardous for transport.

15. **Regulatory information:**
 - a. European/International Regulations: European labelling in accordance with EC Directives.
 - b. Hazard Symbol: none
 - c. Non-hazardous mixture

16. **Other information:** This information is believed to be accurate and represents the best information based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product feature and in no case shall the company be liable for any claims, losses or damages, including lost profits.