



MagGenome Technologies Pvt. Ltd.
No: 153, 1st Main Road, Industrial Estate
Perungudi, Chennai-600 096
Tel: 044-24960607
E info@maggenome.com

MATERIAL SAFETY DATA SHEET

XPRESSDNA™ PLASMID KIT Cat # MG18PI
Kit Components
Plasmid Extraction Buffer (XT)
Plasmid MagNa Mix
Plasmid Wash Buffer
Plasmid Elution Buffer

SAFETY DATA SHEET

1. Identification of the Substance/Mixture and of the Company/ Undertaking

Identification of the substance/preparation

Product Name: Plasmid Extraction Buffer (XT)

Company/Undertaking Identification

MagGenome Technologies Pvt. Ltd.
No: 153, 1st Main Road, Industrial Estate
Perungudi, Chennai-600 096
Tel: 044-24960607
E: info@maggenome.com

For research use only. Not intended for human or animal diagnostic or therapeutic uses

2. Hazards Identification

GHS – Classification

Signal Word : Not hazardous
Health Hazard : Not hazardous
Physical Hazards : Not hazardous

Principle Routes of Exposure/Potential Health effects

Eyes : May cause eye irritation in susceptible persons.
Skin : May cause skin irritation in susceptible persons.
Inhalation : May be harmful by inhalation.
Ingestion : May be harmful if swallowed.

Other effects

Carcinogenic effects : None
Mutagenic effects : None
Reproductive toxicity : None
Sensitization : None
Target Organ Effects : No known effects under normal use conditions

HMIS

Health 0
Flammability 0
Reactivity 0
Personal Protection C

C: Safety Glasses, Gloves, Synthetic Apron

3. Composition/ Information on Ingredients

The product contains no substances which at their given concentration, are hazardous to health. However, we recommend handling all chemicals with caution.

4. First aid measures

Skin contact : Rinse with plenty of water. If symptoms arise, call a physician

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15minutes. If symptoms persist, call a physician

Ingestion : Never give anything by mouth to an unconscious person. If symptoms persist, call a physician Do not induce vomiting without medical advice.

Inhalation : Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration

Notes to physician : Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media : Water spray. Carbon dioxide (CO₂). Foam. Dry chemical

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit

6. Accidental release measures

Personal precautions : Use personal protective equipment.

Methods for cleaning up : Soak up with inert absorbent material

Environmental precautions : Prevent further leakage or spillage if safe to do so

See Section 12 for additional information

7. Handling and Storage

Handling : Always wear recommended Personal Protective Equipment. No special handling advice required

Storage : Keep at 2-8°C.

8. Exposure Controls/Personal Protection

Exposure limits : Contains no substances with occupational exposure limit values. Avoid repeated exposure

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Equipped with eye wash facility and safety shower.

Personal protective equipment: Personal Protective Equipment requirements are dependent on the user institutions risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. Not normally required if used as directed
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Wear protective clothing including impervious boots, gloves, lab coat
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: Prevent product from entering drains

9. Physical and chemical properties

General Information

- Physical State : Liquid
- Color : Colorless
- Odor : No information available
- Boiling Point/Range : No information available
- Melting point/range : No information available
- Flash point : 250° C
- Auto- ignition temperature : No information available
- Oxidizing properties : No information available
- Water solubility : Soluble
- Danger of explosion : Does not possess any explosion hazard

10. Stability and reactivity

- Stability : Stable at 2-8°C under normal pressure.
- Materials to avoid : No dangerous reaction known under conditions of normal use.
- Hazardous decomposition Products : None under normal use
- Hazardous Polymerization : Polymerization does not occur

11. Toxicological information

Acute Toxicity Values

Oral LD50	: No information available
Inhalation LC50	: No information available
Dermal LD50	: No information available

Principle Routes of Exposure/Potential Health effects

Eyes	: May cause eye irritation.
Skin	: May cause skin irritation.
Inhalation	: May be harmful if inhaled.
Ingestion	: May be harmful if swallowed.
Carcinogenic effects	: None
Mutagenic effects	: None
Reproductive toxicity	: None
Sensitization	: None
Target Organ Effects	: No known effects under normal use conditions
Embryotoxicity	: None

12. Ecological information

Ecotoxicity effects	: No information available.
Mobility	: No information available.
Biodegradation	: Inherently biodegradable
Bioaccumulation	: Does not bioaccumulate.

13. Disposal consideration

Dispose off in accordance with local regulations and laws.

14. Transport Information

IATA

Proper shipping name	: Not classified as dangerous in the meaning of transport regulations
Hazard class	: None
Subsidiary Class	: None
Packing Group	: None
Un-Number	: None

15. Regulatory information



U.S. Federal Regulations

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.

U.S. State Regulations

California Proposition 65: This product does not contain chemicals listed under Proposition 65

WHMIS Hazard Class

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

16. Other information

MSDS prepared by: MagGenome Technologies Pvt. Ltd.

For research use only. Not intended for human or animal diagnostic or therapeutic uses

Disclaimer: The above information is based on our experience, knowledge and diligent search. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

MAGGENOME TECHNOLOGIES PVT. LTD SHALL NOT BE HELD LIABLE FOR WARRANTIES, DAMAGE RESULTING FROM HANDLING, OR FROM CONTACT WITH THE ABOVE PRODUCT OR RELIANCE UPON THIS INFORMATION.

SAFETY DATA SHEET

1. Identification of the Substance/Mixture and of the Company/ Undertaking

Identification of the substance/preparation

Product Name: Plasmid MagNa Mix

Company/Undertaking Identification

MagGenome Technologies Pvt. Ltd.
No: 153, 1st Main Road, Industrial Estate
Perungudi, Chennai-600 096
Tel: 044-24960607
E: info@maggenome.com

For research use only. Not intended for human or animal diagnostic or therapeutic uses

2. Hazards Identification

GHS - Classification

Signal Word : Not hazardous
Health Hazard : Not hazardous
Physical Hazards : Not hazardous

Principle Routes of Exposure/Potential Health effects

Eyes : May cause eye irritation in susceptible persons.
Skin : May cause skin irritation in susceptible persons.
Inhalation : May be harmful by inhalation.
Ingestion : May be harmful if swallowed.

Other effects

Carcinogenic effects : None
Mutagenic effects : None
Reproductive toxicity : None
Sensitization : None
Target Organ Effects : No known effects under normal use conditions

HMIS

Health 0
Flammability 0
Reactivity 0
Personal Protection C

C: Safety Glasses, Gloves, Synthetic Apron

3. Composition/ Information on Ingredients

The product contains no substances which at their given concentration, are hazardous to health. However, we recommend handling all chemicals with caution.

4. First aid measures

Skin contact	: Rinse with plenty of water. If symptoms arise, call a physician
Eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15minutes. If symptoms persist, call a physician
Ingestion	: Never give anything by mouth to an unconscious person. If symptoms persist, call a physician Do not induce vomiting without medical advice.
Inhalation	: Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration
Notes to physician	: Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	: Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical
Special protective equipment for firefighters	: Wear self-contained breathing apparatus and protective suit

6. Accidental release measures

Personal precautions	: Use personal protective equipment.
Methods for cleaning up	: Soak up with inert absorbent material
Environmental precautions	: Prevent further leakage or spillage if safe to do so

See Section 12 for additional information

7. Handling and Storage

Handling	: Always wear recommended Personal Protective Equipment. No special handling advice required
Storage	: Keep in a dry, cool and well-ventilated place.

8. Exposure Controls/Personal Protection

Exposure limits : Contains no substances with occupational exposure limit values. Avoid repeated exposure

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Equipped with eye wash facility and safety shower.

Personal protective equipment: Personal Protective Equipment requirements are dependent on the user institutions risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. Not normally required if used as directed
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Wear protective clothing including impervious boots, gloves, lab coat
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: Prevent product from entering drains

9. Physical and chemical properties

General Information

- Physical State : Liquid
- Color : Brown
- Odor : No information available
- Boiling Point/Range : No information available
- Melting point/range : No information available
- Flash point : 250° C
- Auto- ignition temperature : No information available
- Oxidizing properties : No information available
- Water solubility : Soluble
- Danger of explosion : Does not possess any explosion hazard

10. Stability and reactivity

- Stability : Stable under normal temperature and pressure.
- Materials to avoid : No dangerous reaction known under conditions of normal use.
- Hazardous decomposition Products : None under normal use
- Hazardous Polymerization : Polymerization does not occur

11. Toxicological information

Acute Toxicity Values

Oral LD50	: No information available
Inhalation LC50	: No information available
Dermal LD50	: No information available

Principle Routes of Exposure/Potential Health effects

Eyes	: May cause eye irritation.
Skin	: May cause skin irritation.
Inhalation	: May be harmful if inhaled.
Ingestion	: May be harmful if swallowed.
Carcinogenic effects	: None
Mutagenic effects	: None
Reproductive toxicity	: None
Sensitization	: None
Target Organ Effects	: No known effects under normal use conditions
Embryotoxicity	: None

12. Ecological information

Ecotoxicity effects	: No information available.
Mobility	: No information available.
Biodegradation	: Inherently biodegradable
Bioaccumulation	: Does not bioaccumulate.

13. Disposal consideration

Dispose off in accordance with local regulations and laws.

14. Transport Information

IATA

Proper shipping name	: Not classified as dangerous in the meaning of transport regulations
Hazard class	: None
Subsidiary Class	: None
Packing Group	: None
Un-Number	: None

15. Regulatory information



U.S. Federal Regulations

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.

U.S. State Regulations

California Proposition 65: This product does not contain chemicals listed under Proposition 65

WHMIS Hazard Class

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

16. Other information

MSDS prepared by: MagGenome Technologies Pvt. Ltd.

For research use only. Not intended for human or animal diagnostic or therapeutic uses

Disclaimer: The above information is based on our experience, knowledge and diligent search. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

MAGGENOME TECHNOLOGIES PVT. LTD SHALL NOT BE HELD LIABLE FOR WARRANTIES, DAMAGE RESULTING FROM HANDLING, OR FROM CONTACT WITH THE ABOVE PRODUCT OR RELIANCE UPON THIS INFORMATION.

SAFETY DATA SHEET

1. Identification of the Substance/Mixture and of the Company/ Undertaking

Identification of the substance/preparation

Product Name: Plasmid Wash Buffer

Company/Undertaking Identification

MagGenome Technologies Pvt. Ltd.
No: 153, 1st Main Road, Industrial Estate
Perungudi, Chennai-600 096
Tel: 044-24960607
E: info@maggenome.com

For research use only. Not intended for human or animal diagnostic or therapeutic uses

2. Hazards Identification

GHS – Classification

Signal Word : Not hazardous
Health Hazard : Not hazardous
Physical Hazards : Not hazardous

Principle Routes of Exposure/Potential Health effects

Eyes : May cause eye irritation in susceptible persons.
Skin : May cause skin irritation in susceptible persons.
Inhalation : May be harmful by inhalation.
Ingestion : May be harmful if swallowed.

Other effects

Carcinogenic effects : None
Mutagenic effects : None
Reproductive toxicity : None
Sensitization : None
Target Organ Effects : No known effects under normal use conditions

HMIS

Health 0
Flammability 0
Reactivity 0
Personal Protection C

C: Safety Glasses, Gloves, Synthetic Apron

3. Composition/ Information on Ingredients

The product contains no substances which at their given concentration, are hazardous to health. However, we recommend handling all chemicals with caution.

4. First aid measures

Skin contact : Rinse with plenty of water. If symptoms arise, call a physician

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15minutes. If symptoms persist, call a physician

Ingestion : Never give anything by mouth to an unconscious person. If symptoms persist, call a physician Do not induce vomiting without medical advice.

Inhalation : Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration

Notes to physician : Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media : Water spray. Carbon dioxide (CO₂). Foam. Dry chemical

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit

6. Accidental release measures

Personal precautions : Use personal protective equipment.

Methods for cleaning up : Soak up with inert absorbent material

Environmental precautions : Prevent further leakage or spillage if safe to do so

See Section 12 for additional information

7. Handling and Storage

Handling : Always wear recommended Personal Protective Equipment. No special handling advice required

Storage : Keep in a dry, cool and well-ventilated place.

8. Exposure Controls/Personal Protection

Exposure limits : Contains no substances with occupational exposure limit values. Avoid repeated exposure

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Equipped with eye wash facility and safety shower.

Personal protective equipment: Personal Protective Equipment requirements are dependent on the user institutions risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. Not normally required if used as directed
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Wear protective clothing including impervious boots, gloves, lab coat
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: Prevent product from entering drains

9. Physical and chemical properties

General Information

- Physical State : Liquid
- Color : Colorless
- Odor : No information available
- Boiling Point/Range : No information available
- Melting point/range : No information available
- Flash point : 250° C
- Auto- ignition temperature : No information available
- Oxidizing properties : No information available
- Water solubility : Soluble
- Danger of explosion : Does not possess any explosion hazard

10. Stability and reactivity

- Stability : Stable under normal temperature and pressure.
- Materials to avoid : No dangerous reaction known under conditions of normal use.
- Hazardous decomposition Products : None under normal use
- Hazardous Polymerization : Polymerization does not occur

11. Toxicological information

Acute Toxicity Values

Oral LD50	: No information available
Inhalation LC50	: No information available
Dermal LD50	: No information available

Principle Routes of Exposure/Potential Health effects

Eyes	: May cause eye irritation.
Skin	: May cause skin irritation.
Inhalation	: May be harmful if inhaled.
Ingestion	: May be harmful if swallowed.
Carcinogenic effects	: None
Mutagenic effects	: None
Reproductive toxicity	: None
Sensitization	: None
Target Organ Effects	: No known effects under normal use conditions
Embryotoxicity	: None

12. Ecological information

Ecotoxicity effects	: No information available.
Mobility	: No information available.
Biodegradation	: Inherently biodegradable
Bioaccumulation	: Does not bioaccumulate.

13. Disposal consideration

Dispose off in accordance with local regulations and laws.

14. Transport Information

IATA

Proper shipping name	: Not classified as dangerous in the meaning of transport regulations
Hazard class	: None
Subsidiary Class	: None
Packing Group	: None
Un-Number	: None

15. Regulatory information



U.S. Federal Regulations

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.

U.S. State Regulations

California Proposition 65: This product does not contain chemicals listed under Proposition 65

WHMIS Hazard Class

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

16. Other information

MSDS prepared by: MagGenome Technologies Pvt. Ltd.

For research use only. Not intended for human or animal diagnostic or therapeutic uses

Disclaimer: The above information is based on our experience, knowledge and diligent search. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

MAGGENOME TECHNOLOGIES PVT. LTD SHALL NOT BE HELD LIABLE FOR WARRANTIES, DAMAGE RESULTING FROM HANDLING, OR FROM CONTACT WITH THE ABOVE PRODUCT OR RELIANCE UPON THIS INFORMATION.

SAFETY DATA SHEET

1. Identification of the Substance/Mixture and of the Company/ Undertaking

Identification of the substance/preparation

Product Name: Plasmid Elution Buffer

Company/Undertaking Identification

MagGenome Technologies Pvt. Ltd.
No: 153, 1st Main Road, Industrial Estate
Perungudi, Chennai-600 096
Tel: 044-24960607
E: info@maggenome.com

For research use only. Not intended for human or animal diagnostic or therapeutic uses

2. Hazards Identification

GHS – Classification

Signal Word : Not hazardous
Health Hazard : Not hazardous
Physical Hazards : Not hazardous

Principle Routes of Exposure/Potential Health effects

Eyes : May cause eye irritation in susceptible persons.
Skin : May cause skin irritation in susceptible persons.
Inhalation : May be harmful by inhalation.
Ingestion : May be harmful if swallowed.

Other effects

Carcinogenic effects : None
Mutagenic effects : None
Reproductive toxicity : None
Sensitization : None
Target Organ Effects : No known effects under normal use conditions

HMIS

Health 0
Flammability 0
Reactivity 0
Personal Protection C

C: Safety Glasses, Gloves, Synthetic Apron

3. Composition/ Information on Ingredients

The product contains no substances which at their given concentration, are hazardous to health. However, we recommend handling all chemicals with caution.

4. First aid measures

Skin contact	: Rinse with plenty of water. If symptoms arise, call a physician
Eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15minutes. If symptoms persist, call a physician
Ingestion	: Never give anything by mouth to an unconscious person. If symptoms persist, call a physician Do not induce vomiting without medical advice.
Inhalation	: Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration
Notes to physician	: Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	: Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical
Special protective equipment for firefighters	: Wear self-contained breathing apparatus and protective suit

6. Accidental release measures

Personal precautions	: Use personal protective equipment.
Methods for cleaning up	: Soak up with inert absorbent material.
Environmental precautions	: Prevent further leakage or spillage if safe to do so

See Section 12 for additional information

7. Handling and Storage

Handling	: Always wear recommended Personal Protective Equipment. No special handling advice required
Storage	: Keep in a dry, cool and well-ventilated place.

8. Exposure Controls/Personal Protection

Exposure limits : Contains no substances with occupational exposure limit values. Avoid repeated exposure

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Equipped with eye wash facility and safety shower.

Personal protective equipment: Personal Protective Equipment requirements are dependent on the user institutions risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. Not normally required if used as directed
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Wear protective clothing including impervious boots, gloves, lab coat
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: Prevent product from entering drains

9. Physical and chemical properties

General Information

- Physical State : Liquid
- Color : Colorless
- Odor : No information available
- Boiling Point/Range : No information available
- Melting point/range : No information available
- Flash point : 250° C
- Auto- ignition temperature : No information available
- Oxidizing properties : No information available
- Water solubility : Soluble
- Danger of explosion : Does not possess any explosion hazard

10. Stability and reactivity

- Stability : Stable under normal temperature and pressure.
- Materials to avoid : No dangerous reaction known under conditions of normal use.
- Hazardous decomposition Products : None under normal use
- Hazardous Polymerization : Polymerization does not occur

11. Toxicological information

Acute Toxicity Values

Oral LD50	: No information available
Inhalation LC50	: No information available
Dermal LD50	: No information available

Principle Routes of Exposure/Potential Health effects

Eyes	: May cause eye irritation.
Skin	: May cause skin irritation.
Inhalation	: May be harmful if inhaled.
Ingestion	: May be harmful if swallowed.
Carcinogenic effects	: None
Mutagenic effects	: None
Reproductive toxicity	: None
Sensitization	: None
Target Organ Effects	: No known effects under normal use conditions
Embryotoxicity	: None

12. Ecological information

Ecotoxicity effects	: No information available.
Mobility	: No information available.
Biodegradation	: Inherently biodegradable
Bioaccumulation	: Does not bioaccumulate.

13. Disposal consideration

Dispose off in accordance with local regulations and laws.

14. Transport Information

IATA

Proper shipping name	: Not classified as dangerous in the meaning of transport regulations
Hazard class	: None
Subsidiary Class	: None
Packing Group	: None
Un-Number	: None

15. Regulatory information



U.S. Federal Regulations

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.

U.S. State Regulations

California Proposition 65: This product does not contain chemicals listed under Proposition 65

WHMIS Hazard Class

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

16. Other information

MSDS prepared by: MagGenome Technologies Pvt. Ltd.

For research use only. Not intended for human or animal diagnostic or therapeutic uses

Disclaimer: The above information is based on our experience, knowledge and diligent search. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

MAGGENOME TECHNOLOGIES PVT. LTD SHALL NOT BE HELD LIABLE FOR WARRANTIES, DAMAGE RESULTING FROM HANDLING, OR FROM CONTACT WITH THE ABOVE PRODUCT OR RELIANCE UPON THIS INFORMATION.