

Product Name: FastPure® Amniotic Fluid DNA Extraction Kit & FastPure® HPV DNA Extraction Kit

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**1.1 Product identifier:**

Substance name: Rehydration buffer (PHY); Rehydration buffer (VHY)

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

Recommended restrictions on use: For professional users only.

1.2 Details of the supplier of the safety data sheet

Manufacturer / Supplier: TritaGene Biotech Co.
Street address / P.O. Box: Pajooresh Blvd., Hakim (Hamedani) Hwy.
Country ID / Postcode / Place: Iran
Telephone number: +98 (21) 44 18 01 81-2
Telefax: +98 (21) 44 18 57 14
E-Mail: tritagene@gmail.com
National contact: TritaGene Biotech Co.

1.3 Emergency Telephone Number

Opening Hours: +98 (21) 44 18 01 82
08-17 Sat. to Wed., Only available during work hours.

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture Not classified

2.1.1 classification according to regulation (EC) No 1272/2008 (CLP)

2.2 Label elements

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

Hazard pictograms: No symbol

Signal word: No signal word.

Hazard statements: Not applicable

Precautionary statements: Not applicable

2.3 Other hazards None

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Substances name: No data available
 INDEX No.: No data available
 EC NO.: No data available
 REACH No.: No data available
 CAS No.: No data available
 Purity: No data available
 Synonyms: No data available
 Stabilizers: No data available
 Hazard impurities: No data available

3.2 Mixtures

Description of the mixture: Mixture Buffer solution containing aqueous solution of Tris, EDTA and distilled water

Name of substance	Identifier	Pictograms
EDTA	CAS No.: 139-33-3	Not classified
Tris	CAS No.: 77-86-1	Not classified

SECTION 4: First Aid Measures

4.1 Description of first aid measures

If inhaled: Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

In case of skin contact: Rinse skin with water/shower. In case of skin irritation, consult a physician.

In case of eye contact: Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. In case of eye irritation consult an ophthalmologist.

If swallowed: Rinse mouth. Call a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Irritation

4.3 Indication of any immediate medical attention and special treatment needed

Notes for doctor: none

SECTION 5: Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Co-ordinate fire-fighting measures to the fire surroundings water spray, foam, dry extinguishing powder, carbon dioxide (CO₂)

Unsuitable extinguishing :

None known.

5.2 Special hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition.

5.3 Advice for fire-fighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Further information:

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Do not breathe vapour/spray.

6.2 Environmental precautions

Keep away from drains, surface and ground water.

6.3 Methods and materials for containment and cleaning up

Wipe up with absorbent material (e.g. cloth, fleece). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

SECTION 7: Handling and Storage**7.1 Precautions for safe handling**

Ensure adequate ventilation. Wear personal protective equipment/face protection. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents. Strong acids.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Ingredients with workplace control parameters

8.2 Personal protection equipment:

Eye and face protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

skin and body protection:

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory protection:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

a) Physical State:	Liquid
b) Appearance:	Clear
c) Odor:	Odorless
d) Odor threshold:	No data available
e) pH:	6.5-7.5
f) Melting point / freezing point:	No data available
g) Initial boiling point and boiling range:	No data available
h) Flash point:	No data available
i) Evaporation rate:	No data available
j) Upper / lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Solubility(ies)	Soluble in water
o) Partition coefficient: n-octane/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) oxidizing properties	No data available

9.2 Other information

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SECTION 10: Stability and Reactivity

10.1 Reactivity:

None known, based on information available

10.2 Chemical stability:

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions:

Dangerous/dangerous reactions with: Metals, Acids, Strong oxidizer. Keep away from oxidizing agents, and acidic or alkaline products.

10.4 Conditions to avoid:	Incompatible products.
10.5 Incompatible materials:	Strong oxidizing agents, Strong acids
10.6 Hazardous decomposition products:	Nitrogen oxides (NO _x), Carbon monoxide (CO), Carbon dioxide (CO ₂), Ammonia

SECTION 11: Toxicological Information**11.1 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	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

SECTION 12: Ecological Information

12.1 Ecotoxicity	Do not empty into drains. Do not flush into surface water or sanitary sewer system.
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

12.6 Other adverse effects No data available

SECTION 13: Disposal Considerations

13.1 Waste treatment methods Send to a licensed waste management company. Dispose of as hazardous waste in compliance with local and national regulations.
Disposal methods Waste from residues:

Contaminated packaging: Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport Information

14.1. UNRTDG Not regulated

14.2. IATA-DGR Not regulated

14.3. IMDG-Code Not regulated

14.4. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not regulated

14.5. Domestic regulation Not regulated

SECTION 15: Regulatory Information

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

- COUNCIL DIRECTIVE on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (67/548/EEC)
- DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
- German order governing protection from hazardous substances (Ordinance on Hazardous Substances / Gefahrstoffverordnung -GefStoffV)
- TRGS 200, German engineering rules governing the classification and labelling of hazardous substances, preparations and products

15.2 Chemical safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the

date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.