

RNA KIT ASSY (P/N 292-27913-91, 292-27913-10, 292-27913-30) includes RNA Separation Buffer and RNA Marker solution.

Safety Data Sheet

Section 1: Identification of the substance or mixture and of the supplier

Product name: RNA Separation Buffer
Name of supplier: Shimadzu Corporation
Address: 1 Nishinokyo-Kuwabaracho, Nakagyo-ku, Kyoto 604-8511, Japan
Section in charge: Clinical & Biotechnology Business Unit, Life Science Business Department
Telephone: +81-75-823-1351
FAX: +81-75-823-1364
Use of the product: This product is for analytical research use only.
Not applicable for clinical and/or diagnostic purposes.

Section 2: Hazards Identification

GHS classification: Not Applicable / Classification not possible
Symbol: Not Applicable
Signal word: Not Applicable
Hazard statements: -
Prevention: -
Response: -
Storage: -
Disposal: -

Section 3: Composition/information of ingredients

Substance/ mixture: Mixture
General description: Buffer solution including tris(hydroxymethyl)aminomethane.
Substances: Tris(hydroxymethyl)aminomethane: CAS No. 77-86-1 <1%

Section 4: First-aid measures

Inhalation: Remove to uncontaminated area and supply fresh air. Promptly consult doctor, if needed.
Skin contact: Take off contaminated clothing and wash skin with plenty of water.
Eye contact: Flush eyes with plenty of water for at least 15 minutes, and obtain medical attention.
Ingestion: Drink plenty of water to induce vomiting, and obtain medical attention.

Section 5: Fire-fighting measures

Extinguishing media: Use water mist, foam, powder, carbon dioxide, dry sand.
Specific hazards arising from fire-fighting: Gases will form upon combustion of carbon monoxide, nitrogen oxides.
Special fire-fighting measures: In case of fire in the surrounding area, promptly move the container to a safe place.

Section 6: Accidental release measures

Personal precautions: Wear appropriate protective equipment
Environmental precautions: Absorb as much of the material as possible with paper towel or sand.

Section 7: Handling and storage

Handling: Wear personal protective equipment in order to prevent inhalation and the product from conducting eyes or skin.
Storage: Keep tightly closed in dark cool place.

Section 8: Exposure controls/personal protection

Exposure limits:	No occupational exposure limit values and/or biological limit values are established.
Permitted concentration:	Japan Society for Occupational Health: Not established ACGIH: Not established
Equipment measures:	Eyewash equipments
Respiratory protection:	Not required
Hand protection:	Wear impervious glove.
Eye protection:	Wear tightly sealed goggles.
Skin and body protection:	Wear white coat.

Section 9: Physical and chemical properties

Appearance (Physical state, color, etc.):

	Colorless, transparent liquid
Odor	None
pH:	8.4 at 20°C
Melting/ Freezing point:	No data available
Boiling point/ boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Vapor pressure:	No data available
Density/ relative density:	No data available
Water solubility:	Miscible
Auto ignition:	The product does not combust spontaneously.
Decomposition temperature:	No data available
Viscosity:	No data available

Section 10: Stability and reactivity

Reactivity:	No risk of hazardous reaction.
Stability:	Stable at normal temperature and pressure.
Conditions/Materials to avoid:	Oxidizing substances
Hazardous decomposition products:	No information available

Section 11: Toxicological information

No data available for the mixture.

Section 12: Ecological information

No data available for the mixture.

Section 13: Disposal considerations

Residual waste: Dispose of contents/ container according to all federal, state and local environmental regulations.
Contaminated container: After removing the contents, dispose of contents/ container according to all federal, state and local environmental regulations.

Section 14: Transport information

US DOT, IMDG (sea), ADR/RID (land), ICAO/IATA (air): No classification assigned.
Prior to transport, make sure no leakage is observed from the bottle and stow a cargo without dropping and turning over.

Section 15: Regulatory information

The composition/ information of ingredients is disclosed according to GHS. Comply with all countries, national and local regulation.

Section 16: Other information

References

- 1) National Institute of Technology and Evaluation: GHS; http://www.safe.nite.go.jp/ghs/ghs_index.html
- 2) National Institute of Technology and Evaluation: CHRIP; http://www.nite.go.jp/chem/chrp/chrp_search/systemTop
- 3) Ministry of Economy, Trade and Industry: GHS Mixture Classification System ver. 2.0

Information included in this document may be changed according to revision of laws and regulations or new discoveries, information, or test results. Although descriptions are based on reference materials, literature, and other information currently available, any values such as quantity and physical/chemical properties or evaluation described in this document are not guaranteed. Notes are provided assuming regular use. When using the material under special conditions, implement safety measures that are suitable for the intended purpose and use.

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