

Safety Data Sheet

Section 1. Product and Company Identification

Product Name RapidSeq™ High Yield Directional mRNA Sample Prep Kits
Catalog # KS073012, KS073012-I, KS073012-II, KS073012-III, KS073012-IV, KS073012-T
Manufacturer Biochain Institute, Inc.
39600 Eureka Drive
Newark, CA 94560
USA
510.783.8588 or 1.888.762.2568
Email: info@biochain.com

Emergency Phone # Contact your local hazardous material control center.
Call 911 in case of medical emergency.

Section 2. Hazards Identification

GHS Classification

Acute toxicity, Oral (Category 4), H302
Skin irritation (Category 2), H315
Eye irritation (Category 2), H320
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

GHS Label elements, including precautionary statements

Pictogram:



Signal word: Warning

Hazard statements

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P405 Store locked up.

Section 3. Composition and Information on Ingredients

Component/Item#

1. Fragmentation Buffer 1
2. Fragmentation Buffer 2
3. Fragmentation Enzyme Mix
4. DNA Storage Solution
5. Tail Oligos
6. Tail Buffer
7. Tail Enzyme
8. Ligation Enhancer
9. Cap Oligos
10. Cap Enzyme
11. RT Oligos
12. RT Enzyme

13. Universal Primer
14. PCR MasterMix
15. Aligner

1–5% (v/v) Aliphatic Triol, 15-25% Glycol Compound (v/v), 75%-95% dH₂O (v/v), 7-13% Carbohydrate Compound (w/v), 10-30% Aminoacetic Acid (v/v), 1-5% Potassium Salt (w/v), 1-5% Chloride Salt (w/v), 3-7% Lithium Salt (w/v), and other constituents. Each of the other constituents is present in less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens).

Section 4. First Aid Measures

Skin: Wash exposed skin with mild soap and water. Get medical attention if irritation develops or persists.
Eyes: Immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.
Ingestion: If affected person is conscious, give plenty of water to drink. Seek medical attention. Wash contaminated clothing before reuse.

Section 5. Fire Fighting Measures

Flammability of the Product: Not flammable.
Flash Points: Not available.
Fire Fighting Procedures:
Small Fire: Use DRY chemical powder.
Large Fire: Use water spray, fog or foam. Do not use water hose.

Section 6. Accidental Release Measures

Small Spill and Leak:
Absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling: Avoid contact with eyes, skin, and clothing. Keep container closed. Wash thoroughly after handling.
Storage: Keep container tightly closed and store in a refrigerator.

Section 8. Exposure Controls/Personal Protection

Ensure that eyewash stations and safety showers are proximal to the work-station location.
Eyes and Face: Splash goggles.
Body: Lab coat.
Hands: Gloves.
Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Component	Physical State	Color	Odor
Fragmentation Buffer 1	Liquid	Clear	None
Fragmentation Buffer 2	Liquid	Clear	None
Fragmentation Enzyme Mix	Liquid	Clear	None
DNA Storage Solution	Liquid	Clear	None
Tail Oligos	Liquid	Clear	None
Tail Buffer	Liquid	Clear	None
Tail Enzyme	Liquid	Clear	None

Ligation Enhancer	Liquid	Clear	None
Cap Oligos	Liquid	Clear	None
Cap Enzyme	Liquid	Clear	None
RT Oligos	Liquid	Clear	None
RT Enzyme	Liquid	Clear	None
Universal Primer	Liquid	Clear	None
PCR MasterMix	Liquid	Clear	None
Aligner	Liquid	Clear	None

Section 10. Stability and Reactivity

Stability and Reactivity: The product is stable under recommended storage conditions.

Incompatibility with Various Substances No decomposition if used according to specifications. No dangerous reactions known.

Section 11. Toxicological Information

Primary Irritant Effects: Harmful if ingested.

On the Eye: Cause eye irritation.

Sensitization: No sensitizing effects known.

Section 12. Ecological Information

Data not yet available.

Section 13. Disposal Considerations

Waste Information:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to hazardous waste disposers.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

Contact BioChain for all transport information.

Section 15. Regulatory Information

EINECS: Not available.

European Information: Irritating to eyes, skin, and respiratory system. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Section 16. Other Information

The information contained in this SDS was obtained from sources we believe are reliable. However, the above information is provided without warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.