

microRNA Extraction Buffer

1. Physical/Chemical Properties

Appearance and odor	Liquid
Boiling Point	N/A
Specific Gravity	N/A
Solubility in H ₂ O	Soluble

2. Hazards Identification

Harmful by inhalation, contact with skin, or if swallowed.

3. Fire and Explosion Hazard

Flash Point	None
Flammable Limits in Air	N/A
Extinguishing Media	Water, CO ₂ , Extinguishing powder
Special Fire Fighting	Do not inhale gases, wear self-contained breathing apparatus and protective clothing

4. First Aid Measures

Skin Contact	Wash affected area with soap and water and rinse thoroughly
Inhalation	Supply fresh air and consult a physician
Eye Contact	Rinse opened eye with running water for at least 15 minutes and consult a physician
Swallowing	Immediately consult a physician

5. Special Protection

Respiratory Protection	NIOSH approved respirator as needed
Ventilation	Lab/fume hood as appropriate
Protective Gloves	General laboratory gloves
Eye Protection	Eye goggles

6. Reactivity Data

Stability	Stable
Incompatibility	Strong acids, bases or oxidants
Hazardous Decomposition Products	N/A

7. Spill or Leak Procedures

If spilled	Absorb on neutral material. Wash spill area thoroughly.
Waste Disposal	Dispose according to all federal, state, and local laws.

8. Handling and Storage

Safe Handling	Use appropriate laboratory protection (coat, gloves, etc.)
Storage	Store at room temperature with receptacle tightly sealed

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