

## Material Safety Data Sheet

### Kit

Product Name	Cat.#
Bacterial RNA Extraction Kit (Magnetic Beads)	50301
Bacterial tRNA Extraction Kit (Magnetic Beads)	50342

### Kit component

Catalog No.	50301	50342
	Resuspension Buffer	Resuspension Buffer
	PS Beads	PS Beads
	KG Buffer	KG Buffer
	BC Beads	BC3A Beads
	Nuclease-free Water	BC3B Beads
		Nuclease-free Water

## PS Beads and KG buffer

### SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PS Buffer  
KG buffer

**Use of The Substance:** For R&D/experimental use only

**Company Identification:** BioDynami

Address: 601 Genome Way, Huntsville, AL 35806, USA

E-mail: [support@BioDynami.com](mailto:support@BioDynami.com)

### SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS05

**Signal word** Danger

**Hazard-determining components of labeling:**

acetic acid

sodium dodecyl sulphate

**Hazard statements**

Harmful if swallowed.

Causes severe skin burns and eye damage.

**Precautionary statements**

Do not breathe dusts or mists.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor.

Wash contaminated clothing before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

**Hazard description:** acetic acid.

### SECTION 4 - FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If breathing becomes difficult, call a physician.

**Skin:** Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.

**Eye:** Flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

**Ingestion:** If swallowed, contact a Poison Control Center or seek medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

#### **SECTION 5 - FIRE FIGHTING MEASURES**

**Extinguishing Media:** Water, foam, carbon dioxide or dry chemical as suitable for surrounding materials.

**Special Exposure Hazards:** Not applicable.

**Special Protective Equipment:** Wear approved pressure-demand self-contained breathing apparatus and full protective gear.

**Hazardous Decomposition:** Not applicable.

#### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Prevent skin/eye contact. Use personal protective equipment as needed.

**Environmental Methods For Cleaning Up:** Cover with absorbent material and sweep up being careful not to create dust. Place into suitable waste container for later disposal.

#### **SECTION 7 - HANDLING AND STORAGE**

**Handling:** Avoid contact with skin and eyes.

**Storage:** Keep container tightly closed.

#### **SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limit Values:** Not available.

##### **Personal protective equipment**

**Respiratory protection:** Not applicable.

**Hand protection:** Protective gloves.

**Eye protection:** Protective goggles.

**Skin and body protection:** Appropriate protective clothing.

**Hygiene measures:** Do not eat, drink or smoke when handling this product. Wash thoroughly after handling.

#### **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** aqueous solution

**Odor:** None

**Flash point:** Not available

**Solubility:** Aqueous solution

**Density (water = 1):** Not available.

**Boiling point:** Approximately 100°C

**Melting point:** Not applicable

**pH:** around 3

#### **SECTION 10 - STABILITY AND REACTIVITY**

**Stability:** Stable.

**Hazardous Decomposition Products:** No dangerous decomposition products known.

#### **SECTION 11 - TOXICOLOGICAL INFORMATION**

**Skin Contact:** No Data Available

**Skin Absorption:** No Data Available

**Inhalation:** No Data Available

**Ingestion:** No Data Available

**Eye Contact:** No Data Available

**Acute Effects from Overexposure:** No Data Available

**Chronic Effects from Overexposure:** No Data available

#### **SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:** No Data Available

**Mobility:** Not available

**Persistence and Degradability:** Not available

**Bioaccumulative Potential:** Not available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

**SECTION 14 - TRANSPORT INFORMATION**

Not regulated as hazardous for transportation.

**SECTION 15 - REGULATORY INFORMATION**

**US Regulations:** Components of this product are listed on the TSCA inventory. No components are listed on U.S. SARA Title III. This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.

**EU Regulations:** This preparation does not meet the dangerous preparations classification criteria under 1999/45/EC. Not all components of this product are listed on EINECS.

**Canadian Regulations:** This product is not considered hazardous based on WHMIS criteria.

**SECTION 16 - OTHER INFORMATION**

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. BioDynami is not held liable for any damage resulting from handling or from contact with the above mentioned products.

**BioDynami**  
Jan. 6, 2026

## BB Buffer, BM buffer and Elution Buffer

### SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

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BC Beads  
BC3A Beads  
BC3B Beads  
Nuclease-free Water

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### SECTION 2 - HAZARDS IDENTIFICATION

**Emergency Overview:** Not expected to present an immediate, significant hazard if spilled.

**Health Effects:** No significant hazard expected.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

**Hazard description:** Not applicable.

**Human health hazards:** Not applicable.

**Environmental Hazards:** Not applicable.

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