



# Safety Data Sheet

## Reagent B (M1)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product Identifier

**Product Name** Reagent B (M1)

#### Recommended use of the chemical and restrictions on use

**Specific use(s)** Nucleon BACC2 DNA Extraction Kit, Nucleon BACC3 DNA Extraction Kit, Nucleon Blood Non-Chloroform DNA Extraction Kit, Nucleon Mouse Tail DNA Extraction Kit

**Recommended Use** In vitro diagnostic

#### Details of the supplier of the safety data sheet

**United States of America Supplier** Hologic, Inc.  
10210 Genetic Center Drive  
San Diego, CA 92121-4362

**Canadian Supplier** Hologic Canada Limited  
130 Spadina Avenue  
Suite 401  
Toronto, ON, M5V-2L4  
Canada  
1-877-209-7192

**Manufacturer** Hologic, Inc.  
10210 Genetic Center Drive  
San Diego, CA 92121-4362

#### **Emergency Telephone - United States of America**

**24 Hour Emergency Phone Number** Chemtrec, U.S. and Canada 1-800-424-9300; Chemtrec International + 1-703-741-5970

**For further information, please contact:** MolecularSupport@hologic.com

### SECTION 2: Hazards identification

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

#### Emergency Overview

#### Label Elements



#### Signal word

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Warning

### **Hazard Statements**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

### **Precautionary Statements - Prevention**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection

S39 - Wear eye/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

### **Hazards not otherwise classified (HNOC)**

### **Other Information**

10.25% of the mixture consists of ingredient(s) of unknown toxicity

## **SECTION 3: Composition/information on ingredients**

### **Substances**

Not Applicable

### **Mixtures**

Mixtures

### **OSHA Hazard Classification**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

## **SECTION 4: First aid measures**

### **First aid measures**

#### **General advice**

If symptoms persist, call a physician.

#### **Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

#### **Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

#### **Inhalation**

Remove to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors.

#### **Ingestion**

Immediate medical attention is not required. Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

#### **Self-protection of the first aider**

Use personal protective equipment as required.

### **Indication of any immediate medical attention and special treatment needed**

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**Note to physicians**

Treat symptomatically.

## SECTION 5: Firefighting measures

**Flammability**

Not flammable.

**Suitable Extinguishing Media**

Use extinguishing agent suitable for type of surrounding fire.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions**

Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up.

## SECTION 7: Handling and storage

**Precautions for safe handling**

Avoid contact with skin. Avoid contact with skin and clothing. Wash hands thoroughly after handling.

**Advice on safe handling**

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

### Conditions for safe storage, including any incompatibilities

**Storage**

Store in accordance with local regulations. Use appropriate containment to avoid environmental contamination.

**Storage Conditions**

Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

## SECTION 8: Exposure Controls/Personal Protection.

### Exposure Guidelines

#### United States of America

Component name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

#### Canada

Component name	British Columbia OEL	Quebec OEL	Ontario TWA
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	CEV: 2 mg/m <sup>3</sup>

#### Mexico

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NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

**Engineering Controls** Provide adequate ventilation. Showers. Eyewash stations.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles. Face protection shield.  
**Skin and body protection** Wear suitable protective clothing.  
**Hand Protection** Wear protective gloves.  
**Respiratory protection** Not Applicable

**General Hygiene Considerations** When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

### Other Information

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

**Physical State @20°C** Liquid

**Odor** No information available

**Odor threshold** No information available

### Property

### Values

**pH** ~ 8

**Melting point/freezing point** No information available

**Boiling point / boiling range** No information available

**Flash point** No information available

**Method** No information available

**Evaporation rate** No information available

**Flammability (solid, gas)** No information available

**Flammability Limits in Air** No information available

**Upper flammability limits** No information available

**Lower flammability limit** No information available

**Vapor pressure** No information available

**Vapor density** No information available

**Relative density** 1.089

**Specific Gravity** No information available

**Water solubility** No information available

**Solubility(ies)** No information available

**Partition coefficient** No information available

**Autoignition temperature** No information available

**Decomposition temperature** No information available

**Viscosity** No information available

**Explosive properties** No information available

**Oxidizing properties** No information available

## SECTION 10: Stability and reactivity

**Reactivity** None under normal use conditions.

**Stability** Stable under normal conditions.

**Possibility of Hazardous Reactions** None under normal use conditions.

**Hazardous polymerization** None under normal use conditions.

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<b>Conditions to avoid</b>	None under normal use conditions.
<b>Incompatible materials.</b>	None under normal use conditions.
<b>Hazardous Decomposition Products</b>	None under normal use conditions.
<b>Materials to avoid</b>	None under normal use conditions.

**SECTION 11: Toxicological information**Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>Inhalation</b>	None under normal use conditions.
<b>Eye contact</b>	None under normal use conditions.
<b>Skin Contact</b>	None under normal use conditions.
<b>Ingestion</b>	None under normal use conditions.

Component name	LD50/oral/rat - NO UNITS (Wizards mg/kg)	LD50/dermal/rat - NO UNITS (Wizards mg/kg)	Inhalation LC50
Sodium Hydroxide 1310-73-2	-	= 1350 mg/kg ( Rabbit )	-

Information on toxicological effectsDelayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.

<b>Chronic toxicity</b>	Avoid repeated exposure.
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<b>Aspiration hazard</b>	No information available.
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Numerical measures of toxicity - Product Information

<b>Unknown Acute Toxicity</b>	10.25% of the mixture consists of ingredient(s) of unknown toxicity
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**SECTION 12: Ecological information**Ecotoxicity

20 - 50% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Component name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Lauryl Sulfate Sodium 151-21-3	53: 72 h Desmodesmus subspicatus mg/L EC50	4.06 - 5.75: 96 h Lepomis macrochirus mg/L LC50 static		1.8: 48 h Daphnia magna mg/L EC50
Sodium Chloride 7647-14-5		12946: 96 h Lepomis macrochirus mg/L LC50 static		1000: 48 h Daphnia magna mg/L EC50 340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static

<b>Persistence and degradability</b>	No information available.
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<b>Bioaccumulation</b>	No information available.
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<b>Mobility</b>	No information available.
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**Reagent B (M1)****Other adverse effects** No information available.**SECTION 13: Disposal Considerations.****Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Waste from Residues / Unused Products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

**SECTION 14: Transport information****DOT** Not regulated**TDG** Not regulated**IATA** Not regulated**IMDG** Not regulated**SECTION 15: Regulatory information****International Inventories**

Component name	TSCA	EINECS/ELINCS	DSL/NDSL	PICCS
Water 7732-18-5	Present	X	X	X
Trizma Hydrochloride 1185-53-1	Present	X	X	X
EDTA Disodium Dihydrate 6381-92-6	-	-	X	X
Lauryl Sulfate Sodium 151-21-3	Present	X	X	X
Sodium Chloride 7647-14-5	Present	X	X	X
Sodium Hydroxide 1310-73-2	Present	X	X	X

Component name	ENCS	IECSC	AICS	KECL
Water 7732-18-5	-	X	X	Present
Trizma Hydrochloride 1185-53-1	-	X	X	Present
EDTA Disodium Dihydrate 6381-92-6	-	X	X	-
Lauryl Sulfate Sodium 151-21-3	Present	X	X	Present
Sodium Chloride 7647-14-5	Present	X	X	Present
Sodium Hydroxide 1310-73-2	Present	X	X	Present

**Legend**

X - Present

- Not Listed

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

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DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
AICS - Australian Inventory of Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances

## US Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

## US State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

Component name	New Jersey	Massachusetts	Pennsylvania
Sodium Hydroxide 1310-73-2	X	X	X

### U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

## International Regulations

### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

### WHMIS Hazard Class

Non-controlled

### Mexico

## SECTION 16: Other information

### Revision Date

19-Oct-2016

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

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specified in the text.

**End of Safety Data Sheet**