



**SAFETY DATA SHEET**  
Follows OSHA GHS/ EU 2015/830, CLP 1272/2008

**Section 1: IDENTIFICATION**

**Product identifier:** INFINITI® Buccal Collection Kit

**Other Name:** DNA Stabilization Solution, PDXL Sample Collection Kit, INFINITI Buccal Sample Collection Kit

**Catalog Number:** 12-0500-00, 12-0620-00, 12-0590-00, 12-06100-00,

**Recommended Use:** For use in Laboratories. Refer to Product Insert or Application Notes.

**Manufacturer:** **AutoGenomics, Inc.**  
1600 Faraday Ave.  
Carlsbad, CA 92008

**Telephone No:** **1-760-477-2248**  
**Toll Free:** 1-866-782-8639  
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**Emergency Telephone:** **1-866-782-8639**

**Section 2: HEALTH HAZARD INFORMATION**

**OSHA/HCS Status:** This SDS should be retained and available for employees and other users of this product.

GHS- Classification



Signal Word: WARNING

Health hazards:

Eye: Irritation	Category 2
Aquatic: Chronic, harmful to aquatic life	Category 3

Hazard Statement:

- H319: Causes serious eye irritation
- H412: Harmful to aquatic life with long lasting effects

Precautionary Statement:

P280 Wear protective gloves/protective clothing/ eye protection/ face protection.  
P305+ P351+ P338 - **Eyes:** May cause serious irritation. 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



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Principle Routes of Exposure

Potential Health Effects:

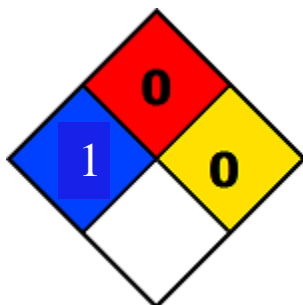
- Eyes: May cause serious eye irritation in susceptible persons

Specific Effects:

- Carcinogenic Effects: None
- Mutagenic effects: None
- Reproductive toxicity: None
- Sensitization: None
- Target Organ effects: No known effects under normal use conditions.

Other hazards: This mixture contains no substances which are assessed to be PBT or vPvB.

NPFA



HMIS

Health	1
Flammability	0
Reactivity	0

**Section 3: CONPOSITION/ INFORMATION ON INGREDIENTS**

**Substances/ Mixtures:** Mixture

Ingredient	CAS Number	% Wt
Ammonium chloride	12125-02-9	15-20%
Cetrimonium bromide	57-09-0	1-2.5%

We recommend handling all chemicals with caution.

**Section 4: FIRST AID MEASURES**

**Description of first aid measures**

Eyes:

- Immediately flush eyes and under the eyelids with plenty of water for at least 15 minutes. Consult a physician.

Skin:

- Immediately flush skin with plenty of water for at least 15 minutes. Use soap and water.
- If irritation develops, seek medical attention.

Inhalation:

- Move to fresh air. If symptoms persist, call a physician.



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Ingestion:

- Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Consult a physician for severe cases.

**Section 5: FIRE and EXPLOSTION INFORMATION**

**Extinguishing media:**

Use dry chemical or carbon dioxide, water spray or "alcohol" foam

**Special hazards arising from the substance or mixture:**

In the event of fire the following can be released: Carbon oxides, Hydrogen chloride gas (HCl).

**Advice for firefighters:**

Wear self-contained breathing apparatus for firefighting if necessary. Wear full protective clothing.

**Special Protective Equipment or Precautions for firefighters:**

No special equipment necessary. Product itself does not burn.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Use of Personal Precaution, Protective Equipment and Emergency Procedures**

Wear appropriate protective clothing or equipment.

**Environmental precautions**

Do not contaminate water. Local authorities should be advised if significant spillages cannot be contained.

**Methods and Materials Used for Containment and Cleanup procedures**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Section 7: HANDLING AND STORAGE**

**Precaution for safe handling**

Always wear recommended Personal Protective Equipment. When using, do not eat, drink or smoke. Avoid contact with skin and eyes. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately. Follow application notes and package insert for recommendation of handling product for usage.

**Recommendations on the condition for safe storage, including any incompatibilities**

Store in the original container according to the labeling. Keep at temperature not exceeding 30°C (86°F). Incompatible with oxidizing agents.



**Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Control Parameters**

Material	Limit Value
Cetrimonium bromide	3 mg/m <sup>3</sup> , Alveolar dust fraction/ V/44

**Exposure Controls**

Keep container tightly closed in a dry and well-ventilated place. Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice.

**Other information**

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

**Personal Protective Equipment**

Wear gloves, safety glasses with side-shields and protective clothing to minimize skin and eye contact.  
In case of insufficient ventilation wear suitable respiratory equipment.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear colorless liquid
<b>Flammability or Explosive Limits:</b>	
<b>Odor</b>	No odor
<b>Vapor pressure</b>	Not determined
<b>Odor threshold</b>	Not determined
<b>Vapor density</b>	Not determined
<b>pH</b>	Not determined
<b>Relative density</b>	Not determined
<b>Melting point/ freezing point</b>	Not determined
<b>Solubility</b>	miscible, soluble in water
<b>Initial boiling point and boiling range</b>	Not determined
<b>Flash point</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not flammable
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Auto-ignition temperature</b>	Product is not self-igniting
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	Not determined



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**Section 10: STABILITY AND REACTIVITY**

Reactivity	None.
Chemical Stability	The product is stable under normal conditions.
Possibility of Hazardous reactions	Hazardous reactions will not occur under normal conditions and use.
Conditions to avoid	Keep away from heat and oxidizing agents.
Incompatible material	Incompatible with and oxidizing agents.
Hazardous decomposition products	No decomposition if used as directed. To avoid thermal decomposition, do not overheat.

**Section 11: TOXICOLOGICAL INFORMATION**

**Information on toxicological effects:** No information available.

**Information on the likely routes of exposure:**

<b>Inhalation</b>	Not available.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Skin contact</b>	Not available.
<b>Ingestion</b>	Acute Toxicity Estimate (ATE <sub>MIX</sub> ) 6861 mg/kg.

**Potential Health Effects:**

<b>Carcinogenicity</b>	There is no data available
<b>Mutagenic effects</b>	There is no data available
<b>Reproductive toxicity:</b>	There is no data available

<b>Specific target organ toxicity:</b>	No information available
<b>Neurological effects</b>	No information available
<b>Other adverse effects</b>	No information available
<b>Aspiration hazard</b>	No information available

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

Harmful to aquatic organisms. We have no quantitative data concerning the ecological effects of this product.

Chemical Name	Fish	Toxicity to microorganisms	Crustacea
Cetrimonium bromide	Danio rerio (Zebra fish): 96h 0.2 mg/L LC <sub>50</sub>	None known	Daphnia magna: 48 h 0.026 mg/L

**Persistence and degradability**

This product is highly volatile and can be largely eliminated from the water by stripping.

**Bioaccumulative potential**

May cause long-term adverse effects in the aquatic environment.



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<b>Mobility in soil</b>	No information available
<b>Results of PBT and vPvB assessment</b>	No substances which are assessed to be PBT or vPvB.
<b>Other adverse effects</b>	None

**Section 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method**

- Follow federal, state and local government requirements for disposal.
- US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.
- Keep out of drains, sewers, ditches and waterways.

**Waste treatment methods**

Recommendation: R 2 / D 10 Waste - Code - No.: 07 07 99

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. In addition comply with the regional authorities.

**Contaminated Packaging**

Recommendation: Wash with suitable cleaner. Offer rinsed packaging material to local recycling facilities.

**Safe Handling:** Handle in accordance with good industrial hygiene and safety practice.

**Section 14: TRANSPORTATION INFORMATION**

<b>UN number and proper shipping name</b>	none
<b>TDG Class:</b>	Not a dangerous good for transport regulations
<b>D.O.T.</b>	Not a dangerous good for transport regulations
<b>IATA</b>	Not a dangerous good for transport regulations
<b>ADR</b>	Not a dangerous good for transport regulations
<b>IMDG</b>	Not a dangerous good for transport regulations

**Section 15: REGULATORY INFORMATION**

**U.S. Federal and State Regulations:**

**TSCA 8(b)** inventory for Cetrimonium bromide and Ammonium chloride CAS# 12125-02-9 is listed on the TSCA inventory. None of the chemicals are listed under TSCA Section 12b.

**CERCLA Hazardous Substances and corresponding RQs**

Ammonium chloride CAS# 12125-02-9: 5000 lb. final RQ; 2270 kg final RQ

**OSHA:** Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**EINECS:** This product is on the European Inventory of Existing Commercial Chemical Substances.

**Clean Water Act:**

Ammonium chloride CAS# 12125-02-9 is listed as a Hazardous Substance under the CWA.

**DSCL (EEC):** R22- Harmful if swallowed. R36/37/38- Irritating to eyes, respiratory system and skin. R50- Very toxic to aquatic organisms. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of water. S36/37/39-



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**SARA 302** Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312** Hazards Acute Health Hazard

### State Right-To-Know:

Chemical	California	Massachusetts	New Jersey	Pennsylvania	Minnesota
Cetrimonium bromide	-----	Listed	Listed	Listed	-----
Ammonium chloride	Listed	Listed	Listed	Listed	Listed

**California Prop. 65** Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Wear suitable protective clothing, gloves and eye/face protection. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

### Canada - DSL/NDSL

Ammonium chloride is listed on Canada's DSL List.

### International Regulations

WHMIS (Canada) Classification:

Class D-2B: Material causing other toxic effects.

## Section 16: OTHER INFORMATION

***This material is not intended for food, household, agricultural or cosmetic use. The information in this SDS is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. AutoGenomics shall not be held liable for reliance on the information provided in this SDS and/or any damage resulting from the handling or contact with the above named products.***

Key Legend Information:

N/A – Not Applicable

ND – Not Determined

Prepared by Regulatory Affairs, AutoGenomics, Inc.

Rev	Change	CO #	Effective Date
A	Initial Doc with GHS and EU standards	3952	August 2017

**End of SDS**