



**AutoGenomics**

## **SAFETY DATA SHEET**

Follows OSHA GHS/ EU 2015/830, CLP 1272/2008

### **Section 1: IDENTIFICATION**

**Product identifier:** INFINITI® Intellipac

**Catalog Number:** See Appendix 1

**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  
**FAX:** 1-760-477-2252  
**Email:** [www.autogenomics.com](http://www.autogenomics.com)

**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

**Sodium azide may react with lead and copper plumbing to form explosive metal azides.**



Signal Word: **DANGER** for solutions with Sodium azide

Health hazards:

Skin: May causes mild irritation	Category 3
Eye: Serious Irritation	Category 2A
Oral: Toxic if swallowed	Category 3
Inhalation: Maybe harmful	Category 4
Environment: Toxic to aquatic life	Category 2
Explosive: Reactive with lead and copper pipe	Category 1.4

Hazard Statement:

**Solutions with Sodium azide**

- H271: May cause fire or explosion; strong oxidizer
- H301: Toxic if swallowed
- H316: Causes mild skin irritation



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- H319: Causes serious eye irritation
- H333: May be harmful if inhaled
- H401: Toxic to aquatic life

### Precautionary Statement:

P273: Avoid release into the environment.

P305+ P351+ P338 - **Eyes:** May cause irritation in susceptible persons. 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 + P321 - **IF ON SKIN (or hair):** Rinse cautiously with water for several minutes.

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

P301+P330+P331– **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

### Principle Routes of Exposure

#### Potential Health Effects:

- Eyes: Irritation in susceptible persons
- Skin contact: May cause irritation to skin in susceptible persons
- Ingestion: Maybe harmful if swallowed

#### Specific Effects:

- Carcinogenic Effects: None
- Mutagenic effects: None
- Reproductive toxicity: None
- Sensitization: None
- Target Organ effects: No known effects under normal use conditions. Target organ may include Respiratory system, eyes, kidney, skin, and digestion.

### Health hazards

Physical hazards: Not hazardous

### Principle Routes of Exposure

#### Potential Health Effects:

- Eyes: May cause eye irritation in susceptible persons
- Skin contact: May cause irritation to skin in susceptible persons
- Ingestion: May be harmful if swallowed

#### 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: None known.

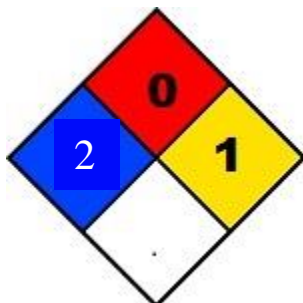


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**NPFA For Products with Sodium azide**



HMIS

Health	2
Flammability	0
Reactivity	1

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

**Substances/ Mixtures:** Mixture: PE mixes and Hybridization buffers

<b>Ingredient</b>	<b>CAS Number</b>	<b>% Wt</b>
<b>Sodium azide</b>	<b>2668-22-8</b>	<b>&lt; 0.9%</b>
<b>EDTA</b>	<b>60-00-4</b>	<b>0.4-3%</b>
Oligonucleotides	NA	Proprietary
dCTP-CY5	NA	Proprietary
dNTPs (AGI)	NA	Proprietary
Tag PosC-CY5	NA	Proprietary
Magnesium chloride	7786-30-3	≤ 0.5%
PEG	25322-68-3	≤ 1.25%
Potassium chloride	7447-40-7	≤ 1.6%
PVP	9003-39-8	≤ 1%
Sodium Citrate	6132-04-3	≤ 0.5%
Sodium Chloride	20510-55-8	≤ 0.9%
Sorbitol	50-70-4	≤ 20%
Tris-HCl	1185-53-1	≤ 1.3%
Tween	NA	≤ 0.1%

We recommend handling all chemicals with caution.

### **Section 4: FIRST AID MEASURES**

#### **Description of first aid measures**

Eyes:

- Immediately flush eyes and under eye lids with plenty of water for at least 15 minutes. Seek medical attention; if symptoms persist.

Skin:

- Immediately flush skin with plenty of water for at least 15 minutes.
- If irritation develops, call a physician.
- Remove contaminated clothing and shoes



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### Inhalation:

- Move to fresh air. If not breathing, administer artificial respiration; immediately get medical attention

### Ingestion:

- Do **NOT** induce vomiting unless directed to do so by medical personnel
- Never give fluids or induce vomiting if a person is unconscious or convulsing
- If large quantities of this material are swallowed, call 911 or a physician immediately

## **Section 5: FIRE and EXPLOSION INFORMATION**

### **Extinguishing media:**

Use dry chemical or carbon dioxide, or foam

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

Sodium azide will react with lead and copper plumbing to form highly explosive metal azides. We recommend handling all chemicals with caution.

### **Advice for firefighters:**

Wear self-contained breathing apparatus for firefighting if necessary. Do not wash products with sodium azide down the drain. May be explosive if mixed with copper or lead plumbing.

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

No special equipment necessary.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

Wear appropriate protective clothing or equipment.

### **Environmental precautions**

Do not release products with Sodium azide into the water system or drain.

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

Soak up with inert absorbent material. Place in a waste disposal container in compliance with national/state regulations.

## **Section 7: HANDLING AND STORAGE**

### **Precaution for safe handling**

Always wear recommended Personal Protective Equipment. Wear nonabsorbent gloves when handling products with Sodium azide. No special precautions are necessary if used correctly. Follow application notes and package insert for recommendation of handling product for usage.



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### **Advice on General Occupational Hygiene:**

Eating, drinking and smoking should be prohibited in areas where this material is handled stored and processed. Follow good industrial hygiene practices and wash hands after handling.

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

Store in the original container according to the labeling. Material is light sensitive.

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

### **Control Parameters**

Exposure Limits or threshold limits: None

Prevent product from entering drains.

### **Engineering Controls:** General protective and hygienic measures.

The usual precautionary measures for handling chemicals should be followed.

### **Personal Protective Equipment**

Wear gloves, safety glasses and protective clothing to minimize skin and eye contact.

## **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear light blue liquid
<b>Flammability or Explosive Limits:</b>	May be explosive when exposed to copper or lead
<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>	Not determined
<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



**Section 10: STABILITY AND REACTIVITY**

Reactivity	The product is stable under normal conditions. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.
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	Oxidizing agents, copper and lead.
Incompatible material	Not determined
Hazardous decomposition products	Hazardous decomposition or by products will not occur under normal conditions.

**Section 11: TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Acute toxicity:** LD50: 27 mg/kg (rat) for Sodium azide

**Information on the likely routes of exposure:** Dermal contact, eye contact and ingestion.

**Potential Health Effects:**

<b>Eyes:</b>	May cause eye irritation with susceptible persons
<b>Skin</b>	May cause skin irritation with susceptible persons
<b>Inhalation</b>	May be harmful by inhalation
<b>Ingestion</b>	May be harmful if swallowed
<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>	There is no data available

**Section 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
<b>Persistence and degradability</b>	Soluble in water, persistence is unlikely
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	Likely to be mobile in the environment due to its water solubility.
<b>Results of PBT and vPvB assessment</b>	No data available
<b>Other adverse effects</b>	None known.
<b>Chemicals as potential carcinogens listed in</b>	
NTP Report,	No data available
IARC	No data available
OSHA	No data available



**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.
- Do not dispose into copper or lead plumbing.

**Section 14: TRANSPORTATION INFORMATION**

**UN number and proper shipping name** none  
**TDG Class:** Not a dangerous good for transport regulations  
**D.O.T.** Not a dangerous good for transport regulations  
**IATA** Not a dangerous good for transport regulations

**Section 15: REGULATORY INFORMATION**

**U.S. Federal Regulations:**

**SARA 313:**

This product contains the following toxic chemicals(s) subject to the notification requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986. This law requires certain manufacturers to report on annual emissions of specified chemicals and chemical categories. Please note that if you repackage, or otherwise redistribute this product to industrial customers, a notice similar to this one should be sent to those customers.;

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>SARA 313 Threshold Values</u>
Sodium azide	26628-22-8	<0.1%	1.0

**TSCA (Toxic Substances Control Act): Sodium azide is listed.**

**Clean Water Act (40 CFR 122.21 and 122.42):** Not applicable

**Clean Air Act, Section 112** This product does not contain Hazardous Air Pollutants

**U.S. State Regulations**

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Sodium azide	Listed	Listed	Listed		Listed

This product does not contain any chemicals listed under California Proposition 65

**International Regulations**

WHMIS Classification:

Non controlled substance.

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.



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### **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

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





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Appendix 1

Product Name	Catalog Number
01-xxxx-xx	
INFINITI Factor II-V & MTHFR Assay	01-2010-00, 01-2010-02
INFINITI System Assay for Factor II	01-2020-01, 01-2020-02
INFINITI Factor II Assay	01-2020-02
INFINITI Factor V Leiden Assay	01-2030-01 01-2030-02
INFINITI MTHFR Assay	01-2040-00, 01-2040-02
INFINITI Factor II-V Leiden Assay	01-2050-01, 01-2050-02
INFINITI CFTR-31 Assay	01-2060-00, 01-2060-02
INFINITI Factor II Plus-V-MTHFR Assay	01-2080-00
INFINITI Factor II Plus Assay	01-2090-00
INFINITI Factor II Plus V Assay	01-2100-00
INFINITI FMF DUPLEX Assay	01-2120-00, 01-2120-02
INFINITI ApoE Assay	01-2130-00
INFINITI CFTR-15 Assay	01-2140-00
INFINITI ApoE Quad Assay	01-2200-00
INFINITI Factors Plus QUAD Assay	01-2210-00
INFINITI Factor II QUAD Assay	01-2220-00
INFINITI Factor V QUAD Assay	01-2230-00
INFINITI MTHFR QUAD Assay	01-2240-00
INFINITI System Factor II-V QUAD Assay	01-2250-00
INFINITI Factor II-V & MTHFR QUAD Assay	01-2260-00
INFINITI AMD Assay	01-2270-00
INFINITI Ashkenazi Jewish 2 Assay	01-2290-00
02-xxxx-xx	
INFINITI Chek2 Assay	02-2030-00
INFINITI EGFR Assay	02-2040-00

Product Name	Catalog Number
INFINITI HPV Genotyping Assay	02-2050-00, 02-2050-02
INFINITI Breast Cancer AJ Assay	02-2070-00
INFINITI 5-FU Assay	02-2080-00
INFINITI KRAS Assay	02-2090-00, 02-2090-02
INFINITI HPV-HR QUAD Assay	02-2100-00, 02-2100-02
INFINITI KRAS-BRAF Assay	02-2110-00, 02-2110-02
INFINITI BRAF Assay	02-2120-00, 02-2120-02
INFINITI BRAF XP Assay	02-2130-00
INFINITI HPV-HR HEX Assay	02-2140-00
INFINITI Breast Cancer QUAD Assay	02-2160-00
INFINITI NRAS Assay	02-2170-00
INFINITI 5-FU Plus Assay	02-2180-00
INFINITI EGFR 2 Assay	02-2190-00
03-xxxx-xx	
INFINITI CYP450 2C9 Assay	03-2020-00
INFINITI CYP450 2C9-VKORC1 Assay	03-2040-00, 03-2040-02
INFINITI UGT1A1 Assay	03-2050-00, 03-2050-02
INFINITI NAT-2 Assay	03-2060-00
INFINITI CYP450 3A4 Assay	03-2070-00
INFINITI MDR1 Assay	03-2080-00
INFINITI CYP450 3A5 Assay	03-2090-00
INFINITI CYP450 2D6I Assay	03-2110-00, 03-2110-02
INFINITI CYP450 2C9-VKR Assay	03-2140-00
INFINITI Warfarin Assay	03-2140-01, 03-2140-02, 03-2140-03
INFINITI CYP450 2C9-VKORC1 QUAD Assay	03-2160-00
INFINITI TAMX3 Assay	03-2170-00



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Product Name	Catalog Number
INFINITI PLAX2 Assay	03-2180-00
INFINITI CYP450 2C19 Plus Assay	03-2190-00, 03-2190-02
INFINITI CYP2C19 Assay	03-2220-01, 03-2220-02, 03-2220-03
INFINITI CYP2C19 (Quad Format) Assay	03-2230-01, 03-2230-02
INFINITI CYP450 3A4-3A5 Assay	03-2270-00
INFINITI CYP450 2C19 Plus Duplex Assay	03-2280-00
INFINITI CYP450 3A4-3A5 Duplex Assay	03-2350-00
INFINITI CYP450 2C9-VK-R QUAD Assay	03-2360-00
INFINITI CYP450 2D6-BC Duplex Assay	03-2380-00
INFINITI CYP450 2B6-QUAD Assay	03-2400-00
INFINITI NeuR Assay	03-2410-00
INFINITI Statin Assay	03-2420-00
INFINITI CYP450 2D6-BC Assay	03-2430-00, 03-2430-02
INFINITI NeuT Assay	03-2450-00
INFINITI DPYD Assay	03-2460-00
INFINITI 1A2 Assay	03-2470-00
INFINITI CYP450 3A4-3A5 Plus Assay	03-2520-00
04-xxxx-xx	
INFINITI NTM Assay	04-2040-00
INFINITI MDR-TB Assay	04-2050-00

Product Name	Catalog Number
INFINITI STD-6 QUAD Assay	04-2060-00
INFINITI CT-NG QUAD Assay	04-2070-00
INFINITI MRSA Assay	04-2080-00
INFINITI Leuko QUAD Assay	04-2090-00
INFINITI UroGen QUAD Assay	04-2100-00, 04-2100-02
INFINITI RVP Plus Assay	04-2110-00, 04-2110-02
INFINITI FLU A-sH1N1 Assay	04-2120-00, 04-2120-02
INFINITI FLU A-sH1N1 QUAD Assay	04-2130-00
INFINITI Bacterial Vaginosis QUAD Assay	04-2140-00, 04-2140-02
INFINITI Candida Vaginitis QUAD Assay	04-2150-00, 04-2150-02
INFINITI UroGen Plus QUAD Assay	04-2160-00
INFINITI RVP 10 Assay	04-2170-00
INFINITI Mobi QUAD Assay	04-2180-00
INFINITI Resolve QUAD Assay	04-2190-00
INFINITI Candida Plus QUAD Assay	04-2200-00
INFINITI MTBC OCTA Assay	04-2210-00
INFINITI MAP OCTA Assay	04-2220-00
INFINITI HCV QUAD Assay	04-2230-00
INFINITI GUD QUAD Assay	04-2250-00
INFINITI RBP Assay	04-2260-00
INFINITI H. pylori QUAD Assay	04-2270-00
INFINITI GBS QUAD Assay	04-2360-00

**End of SDS**