

**Section 1: IDENTIFICATION**

**Product identifier:** INFINITI® BioFilmChip® Magazines

**Catalog Number:** See Appendix 1

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

**Components:** Spring  
Plastic container, chip retainer  
PSA  
Plastic tub and base on chip  
Film

**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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**Section 2: HEALTH HAZARD INFORMATION**

**OSHA/HCS Status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains information for the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

GHS- Classification



Signal Word: WARNING

Hazard Statement:

- H303: May be harmful if swallowed
- H316: Causes mild skin irritation
- H320: Causes eye irritation
- H333: May be harmful if inhaled

Health hazards:

Skin: May causes mild irritation	Category 3
Eye: Irritation	Category 2B
Oral: Maybe harmful if swallowed	Category 5
Inhalation: Maybe harmful	Category 5

Precautionary Statement:

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

P303 + P351 + P364 - IF ON SKIN (or hair): Rinse cautiously with water for several minutes.  
 P332 + P313 - If skin irritation occurs: Get medical advice/attention  
 P363 - wash clothing before reuse

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:

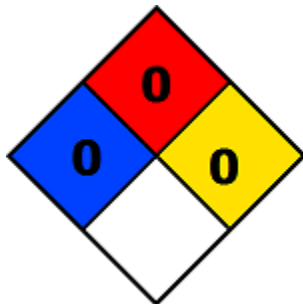
- Eyes: Irritation in susceptible persons
- Skin contact: May cause irritation to skin in susceptible persons
- Inhalation: May be harmful by inhalation
- Ingestion: Maybe harmful if swallowed

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.

Other hazards:                   None known.

NPFA



HMIS

Health	0
Flammability	0
Reactivity	0

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

**Substances/ Mixtures:**   Mixture

Components	CAS Number	% Wt.
Oligonucleotides	NA	Proprietary
Iron Oxide	1309-37-1	~10%
Plastic - ABS	Various	ND
Plastic tub (PMMA, MMA)	9011-14-7, 80-62-6	99.5, 0.5
Plastic Base	269-753-8434	ND
Streptavidin	NA	ND
Agarose	9012-36-6	Proprietary
PETG	25640-14-6	packaging



**AutoGenomics**

## **SAFETY DATA SHEET**

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

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment.

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

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

Eye Contact: See first aid for eye injury.  
Inhalation: Not harmful under normal conditions. Remove to fresh air, seek medical attention if difficulties in breathing occur.  
Skin contact: If skin irritation occurs: Wash with plenty of water and seek medical advice/attention.  
Ingestion: Do not ingest. Immediately call doctor if ingested.

#### **Most important symptoms and effects, both acute and delayed:**

No known significant effects or critical hazards.

#### **Indication of immediate medical attention and special treatment needed, if necessary:**

No special attention or treatment is necessary

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

#### **Extinguishing media:**

**Suitable extinguishing media:** Use water spray, dry chemical or carbon dioxide, or foam

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

May cause fumes and gas when ignited. Iron oxide can cause metal fever when inhaled. If the hot plastic material gets on skin, quickly cool in water. Do not peel the solidified material from the skin, use vegetable oil, mineral oil or petroleum jelly to remove material from the skin.

**Advice for firefighters:** The product is non-combustible. In case of fire, toxic gases may be formed including but not limited to Carbon monoxide, Carbon dioxide, Hydrogen Cyanide, Styrene, Ethylbenzene and Acrylonitrile may be emitted. Wear self-contained breathing apparatus for firefighting if necessary and protective clothing.

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

Use air-supplied respirator during fire-fighting.

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

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

No special protective clothing or equipment is required.

#### **Environmental precautions**

No relevant information available.

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

Place in a waste disposal container in compliance with national/state regulations.

**Section 7: HANDLING AND STORAGE**

**Precaution for safe handling**

No special precautions are necessary if used correctly. Follow application notes and package insert for recommendation of handling product for usage.

**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.

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

**Control Parameters**

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Iron oxide	TWA: 5 mg/m <sup>3</sup>	(Vacated) TWA: 10 mg/m <sup>3</sup> (Vacated) TWA: 5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	IDLH: 2500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>

**Engineering Controls:** No special ventilation is required.

**Personal Protective Equipment**

Wear appropriate equipment and clothing for laboratory use. Wear gloves to protect product, not hazardous for user unless allergic.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Solid, rust color center with clear colorless housing (tub) on top and a black base on the bottom
<b>Flammability or Explosive Limits:</b>	Not flammable or explosive
<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



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<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	Not determined
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 and excessive heat.
Incompatible material	Not determined
Hazardous decomposition products	Hazardous decomposition or by products will not occur under normal conditions. Fumes or gases may be produced when burning.

**Section 11: TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

<b>Acute toxicity:</b>	There is no data available.
<b>Irritation/ Corrosion:</b>	There is no data available
<b>Sensitization</b>	There is no data available
<b>Carcinogenicity</b>	There is no data available
<b>Specific target organ toxicity (single exposure):</b>	There is no data available
<b>Specific target organ toxicity (repeated exposure):</b>	There is no data available
<b>Aspiration hazard</b>	There is no data available

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

**Potential acute health effects:** No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**  
No known significant effects or critical hazards.

**Delayed and Immediate Effects and also Chronic Effects from short and long term exposure**

Short term: No known significant effects or critical hazards.  
Long term: No known significant effects or critical hazards.

**Potential chronic health effects** No known significant effects or critical hazards.

**Numerical measures of toxicity** No known significant effects or critical hazards.

- LD50
- ABS Resin and MMA (>5,000 mg/kg(rat))
  - PEL for MMA (100 ppm)

**Acute toxicity estimates** There is no data available

**Section 12: ECOLOGICAL INFORMATION**

<b>Toxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available, PMMA is considered inert material and not expected to be biodegradable.
<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	Not listed

**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 sewers or a water area.

**Section 14: TRANSPORTATION INFORMATION**

<b><u>UN number and proper shipping name</u></b>	Not regulated
<b><u>TDG Class:</u></b>	Not regulated.
<b><u>D.O.T.</u></b>	Not a dangerous good.
<b><u>IATA</u></b>	Not a dangerous good.
<b>Environmental hazards:</b>	Not a dangerous good.
<b>Any special precautions for user:</b>	No special precautions.

**Section 15: REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**U.S. Federal Regulations:**

**SARA 302, 313 & 355:** None of the ingredients are listed.

**TSCA (Toxic Substances Control Act):** This product is not regulated.

**Clean Water Act (40 CFR 122.21 and 122.42):** This product does not contain substances regulated as pollutants.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (40 CFR 61)**

**CERCLA (Comprehensive Environmental Response Compensation and Liability Act) (40 CFR 302) or SARA (40 CFR 355)**



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This material is not regulated as hazardous substances. There may be specific reporting requirements at the local, regional, or state level pertaining to release of this material.

**U.S. State Regulations**

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

**International Regulations**

**Mexico** – Minimum Risk, Grade 0

**Canada** – This SDS contains all the information required by the Controlled Products Regulations (CPR).

**Domestic Substances List:**

- Ingredients are on the DSL except the oligos.
- No ingredients are listed on the Toxic List

**WHMIS Classification:**

Not a toxic substance.

**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



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**SAFETY DATA SHEET**

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

APPENDIX 1

Product Name	Catalog Number
01-xxxx-xx	
INFINITI Factor II-V & MTHFR Assay	01-1010-00, 01-1010-02
INFINITI System Assay for Factor II	01-1020-01,
INFINITI Factor II Assay	01-1020-02
INFINITI Factor V Leiden Assay	01-1030-01 01-1030-02
INFINITI MTHFR Assay	01-1040-00, 01-1040-02
INFINITI System Assay for Factor II & Factor V Leiden	01-1050-01,
INFINITI Factor II-V Leiden Assay	01-1050-02
INFINITI CFTR-31 Assay	01-1060-00, 01-1060-02
INFINITI Factor II Plus-V-MTHFR Assay	01-1080-00
INFINITI Factor II Plus Assay	01-1090-00
INFINITI Factor II Plus V Assay	01-1100-00
INFINITI FMF DUPLEX Assay	01-1120-00 01-1120-02
INFINITI ApoE Assay	01-1130-00
INFINITI CFTR-15 Assay	01-1140-00
INFINITI ApoE Quad Assay	01-1200-00
INFINITI Factors Plus QUAD Assay	01-1210-00
INFINITI Factor II QUAD Assay	01-1220-00
INFINITI Factor V QUAD Assay	01-1230-00
INFINITI MTHFR QUAD Assay	01-1240-00
INFINITI Factor II-V QUAD Assay	01-1250-00
INFINITI Factor II-V-MTHFR QUAD Assay	01-1260-00
INFINITI AMD Assay	01-1270-00
INFINITI Ashkenazi Jewish 2 Assay	01-1290-00
02-xxxx-xx	
INFINITI CHEK2 Assay	02-1030-00
INFINITI EGFR Assay	02-1040-00

Product Name	Catalog Number
INFINITI HPV Genotyping Assay	02-1050-00, 02-1050-02
INFINITI Breast Cancer AJ Assay	02-1070-00
INFINITI 5-FU Assay	02-1080-00
INFINITI KRAS Assay	02-1090-00, 02-1090-02
INFINITI HPV-HR QUAD Assay	02-1100-00, 02-1100-02
INFINITI KRAS-BRAF Assay	02-1110-00, 02-1110-02
INFINITI BRAF Assay	02-1120-00, 02-1120-02
INFINITI BRAF XP Assay	02-1130-00
INFINITI HPV-HR HEX Assay	02-1140-00
INFINITI Breast Cancer QUAD Assay	02-1160-00
INFINITI NRAS Assay	02-1170-00
INFINITI 5-FU Plus Assay	02-1180-00
INFINITI EGFR 2 Assay	02-1190-00
03-xxxx-xx	
INFINITI CYP450 2C9 Assay	03-1020-00
INFINITI CYP450 2C9-VKORC1 Assay	03-1040-00, 03-1040-02
INFINITI UGT1A1 Assay	03-1050-00, 03-1050-02
INFINITI NAT-2 Assay	03-1060-00
INFINITI CYP450 3A4 Assay	03-1070-00
INFINITI MDR1 Assay	03-1080-00
INFINITI CYP450 3A5 Assay	03-1090-00
INFINITI CYP450 2D6I Assay	03-1110-00, 03-1110-02
INFINITI Warfarin Assay	03-1140-01 03-1140-02 03-1140-03
INFINITI CYP450 2C9-VKORC1 QUAD Assay	03-1160-00
INFINITI TAMX3 Assay	03-1170-00
INFINITI PLAX2 Assay	03-1180-00
INFINITI CYP450 2C19 Plus Assay	03-1190-00 03-1190-02





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**SAFETY DATA SHEET**

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Product Name	Catalog Number
INFINITI CYP2C19 Assay	03-1220-01, 03-1220-02 03-1220-03
INFINITI CYP2C19 (Quad Format) Assay	03-1230-01, 03-1230-02
INFINITI CYP450 3A4-3A5 Assay	03-1270-00
INFINITI CYP450 2C19 Plus DUPLEX Assay	03-1280-00
INFINITI CYP450 3A4-3A5 DUPLEX Assay	03-1350-00
INFINITI CYP450 2C9-VK-R QUAD Assay	03-1360-00
INFINITI CYP450 2D6-BC Duplex Assay	03-1380-00
INFINITI CYP450 2B6 QUAD Assay	03-1400-00
INFINITI NeuR Assay	03-1410-00
INFINITI Statin Assay	03-1420-00
INFINITI CYP450 2D6-BC Assay	03-1430-00 03-1430-02
INFINITI NeuT Assay	03-1450-00
INFINITI DPYD Assay	03-1460-00
INFINITI 1A2 Assay	03-1470-00
INFINITI CYP450 3A4-3A5 Plus Assay	03-1520-00
04-xxxx-xx	
INFINITI NTM Assay	04-1040-00
INFINITI MDR-TB Assay	04-1050-00
INFINITI STD-6 QUAD Assay	04-1060-00
INFINITI CT-NG QUAD Assay	04-1070-00

Product Name	Catalog Number
INFINITI MRSA Assay	04-1080-00
INFINITI Leuko QUAD Assay	04-1090-00
INFINITI UroGen QUAD Assay	04-1100-00, 04-1100-02
INFINITI RVP Plus Assay	04-1110-00, 04-1110-02
INFINITI FLU A-sH1N1 Assay	04-1120-00 04-1120-02
INFINITI FLU A-sH1N1 QUAD Assay	04-1130-00
INFINITI Bacterial Vaginosis QUAD Assay	04-1140-00 04-1140-02
INFINITI Candida Vaginitis QUAD Assay	04-1150-00 04-1150-02
INFINITI UroGen Plus QUAD Assay	04-1160-00
INFINITI RVP 10 Assay	04-1170-00
INFINITI Mobi QUAD Assay	04-1180-00
INFINITI Resolve QUAD Assay	04-1190-00
INFINITI Candida Plus QUAD Assay	04-1200-00
INFINITI MTBC OCTA Assay	04-1210-00
INFINITI MAP OCTA Assay	04-1220-00
INFINITI HCV QUAD Assay	04-1230-00
INFINITI GUD QUAD Assay	04-1250-00
INFINITI RBP Assay	04-1260-00
INFINITI H. pylori QUAD Assay	04-1270-00
INFINITI GBS QUAD Assay	04-1360-00

**End of SDS**