

Section 1: IDENTIFICATION

Product identifier: INFINITI® BioFilmChip® Microarrays

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

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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

Health hazards:



Signal Word: WARNING

Skin: May causes mild irritation	Category 3
Eye: None	NA
Oral: Maybe harmful if swallowed	Category 5
Inhalation: Maybe harmful	Category 5

Precautionary Statement:

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:

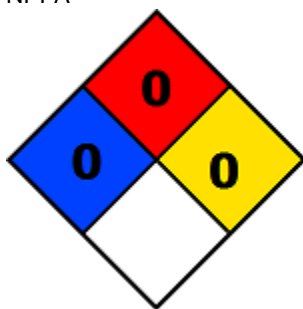
- Eyes: Not a hazard under normal conditions. If ignited, eye irritation in susceptible persons
- Skin contact: May cause irritation to skin in susceptible persons
- Inhalation: May be harmful by inhalation of fumes when burning.
- Ingestion: Harmful if swallowed

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

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: Not applicable.
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.

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

Exposure Limits or threshold limits: None

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

Appearance:	Solid, rust color center with clear colorless housing (tub) on top and a black base on the bottom
Flammability or Explosive Limits:	Not flammable or explosive
Odor	No odor
Vapor pressure	Not determined
Odor threshold	Not determined
Vapor density	Not determined
pH	Not determined
Relative density	Not determined
Melting point/ freezing point	Not determined
Solubility	Not determined
Initial boiling point and boiling range	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not flammable
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Product is not self-igniting
Decomposition temperature	Not determined
Viscosity	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

Acute toxicity:	There is no data available.
Irritation/ Corrosion:	There is no data available
Sensitization	There is no data available
Carcinogenicity	There is no data available
Specific target organ toxicity (single exposure):	There is no data available
Specific target organ toxicity (repeated exposure):	There is no data available
Aspiration hazard	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 (>5 g/kg(rat))
- PEL for MMA (100 ppm)

Acute toxicity estimates: There is no data available

Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	None known.

Chemicals as potential carcinogens listed in

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

UN number and proper shipping name	Not regulated
TDG Class:	Not regulated.
D.O.T.	Not a dangerous good.
IATA	Not a dangerous good.

Environmental hazards: Not a dangerous good.

Any special precautions for user: 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)

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



APPENDIX 1

Product Name	Catalog Number (PE)
01-xxxx-xx	
INFINITI Factor II-V & MTHFR Assay (96)	01-5010-00, 01-5010-02
INFINITI System Assay for Factor II (96)	01-5020-01
INFINITI Factor II Assay (96)	01-5020-02
INFINITI Factor V Leiden Assay (96)	01-5030-01
INFINITI MTHFR Assay (96)	01-5040-00, 01-5040-02
INFINITI Factor II-V Leiden Assay (96)	01-5050-01, 01-5050-02
INFINITI CFTR-31 Assay (96)	01-5060-00, 01-5060-02
INFINITI ApoE Quad Assay (192)	01-5200-00
INFINITI Factors Plus QUAD Assay (192)	01-5210-00
INFINITI Factor II QUAD Assay (192)	01-5220-00
INFINITI Factor V QUAD Assay (192)	01-5230-00
INFINITI MTHFR QUAD Assay (192)	01-5240-00
INFINITI Factor II-V QUAD Assay (192)	01-5250-00
INFINITI Factor II-V & MTHFR QUAD Assay (192)	01-5260-00
INFINITI AMD Assay (96)	01-5270-00
INFINITI Ashkenazi Jewish 2 Assay (96)	01-5290-00
INFINITI ApoE QUAD AD Assay (192)	01-5310-00
INFINITI Factor II-V & MTHFR AD Assay (96)	01-5320-00
02-xxxx-xx	
INFINITI EGFR Assay (96)	02-5040-00
INFINITI HPV Genotyping Assay (96)	02-5050-00, 02-5050-02
INFINITI KRAS Assay (96)	02-5090-00, 02-5090-02
INFINITI HPV-HR QUAD Assay (192)	02-5100-00, 02-5100-02

Product Name	Catalog Number (PE)
INFINITI KRAS-BRAF Assay (96)	02-5110-00, 02-5110-02
INFINITI BRAF Assay (96)	02-5120-00, 02-5120-02
INFINITI Breast Cancer QUAD Assay (192)	02-5160-00
INFINITI NRAS Assay (96)	02-5170-00
03-xxxx-xx	
INFINITI CYP450 2C9 Assay (96)	03-5020-00
INFINITI CYP450 2C9-VKORC1 Assay (96)	03-5040-00, 03-5040-02
INFINITI UGT1A1 Assay (96)	03-5050-00, 03-5050-02
INFINITI NAT-2 Assay (96)	03-5060-00
INFINITI CYP450 3A4 Assay (96)	03-5070-00
INFINITI CYP450 3A5 Assay (96)	03-5090-00
INFINITI CYP450 2C9-VKR Assay (96)	03-5140-00
INFINITI Warfarin Assay (96)	03-5140-01, 03-5140-02
INFINITI CYP450 2C19 Plus Assay (96)	03-5190-00, 03-5190-02
INFINITI CYP2C19 Assay (96)	03-5220-01, 03-5220-02
INFINITI CYP2C19 (Quad Format) Assay (192)	03-5230-01, 03-5230-02
INFINITI CYP450 3A4-3A5 Assay (96)	03-5270-00
INFINITI CYP450 2C19 Plus Duplex Assay (192)	03-5280-00
INFINITI CYP450 3A4-3A5 Duplex Assay (192)	03-5350-00
INFINITI CYP450 2C9-VK-R QUAD Assay (192)	03-5360-00
INFINITI CYP450 2C9-VKR-Bu Assay (96)	03-5370-00
INFINITI CYP450 2D6-BC Duplex Assay (192)	03-5380-00
INFINITI CYP450 2B6-QUAD Assay (192)	03-5400-00
INFINITI NeuR Assay (96)	03-5410-00

Product Name	Catalog Number (PE)
INFINITI CYP450 2D6-BC Assay (96)	03-5430-00 03-5430-02
INFINITI NeuT Assay (96)	03-5450-00
INFINITI DPYD Assay (96)	03-5460-00
INFINITI 1A2 Assay (96)	03-5470-00
INFINITI 2D6 AD Assay (96)	03-5480-00
INFINITI 2C19 AD Assay (96)	03-5490-00
INFINITI 2C9-VKORC1 AD Assay (96)	03-5500-00
INFINITI 3A4-3A5 AD Assay (96)	03-5510-00
INFINITI 3A4-3A5 Plus AD Assay (96)	03-5520-00
04-xxxx-xx	
INFINITI STD-6 QUAD Assay (192)	04-5060-00
INFINITI CT-NG QUAD Assay (192)	04-5070-00
INFINITI Leuko QUAD Assay (192)	04-5090-00
INFINITI UroGen QUAD Assay (192)	04-5100-00, 04-5100-02
INFINITI RVP Plus Assay (96)	04-5110-00, 04-5110-02
INFINITI Bacterial Vaginosis QUAD Assay (192)	04-5140-00 04-5140-02
INFINITI Candida Vaginitis QUAD Assay (192)	04-5150-00 04-5150-02
INFINITI UroGen Plus QUAD Assay (192)	04-5160-00
INFINITI Resolve QUAD Assay (192)	04-5190-00
INFINITI Candida Vaginitis Plus QUAD Assay (192)	04-5200-00
INFINITI HCV QUAD Assay (192)	04-5230-00
INFINITI GUD QUAD Assay (192)	04-5250-00
INFINITI H. pylori QUAD Assay (192)	04-5270-00
INFINITI GBS QUAD Assay (192)	04-5360-00