



MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

This MSDS applies to the following INFINITI™ AMP Mix products:

<i>Product Name</i>	<i>Catalog Number</i>
INFINITI FII-V-MTHFR Amp Mix	01-301
INFINITI FII Amp Mix	01-302
INFINITI FV Amp Mix	01-303
INFINITI MTHFR Amp Mix	01-304
INFINITI FII-FV Amp Mix	01-305
INFINITI CFTR31 Amp Mix	01-306
INFINITI Ashkenazi Jewish Panel Amp Mix	01-307
INFINITI CHEK2 Amp Mix	02-303
INFINITI HPV Genotype Amp Mix	02-305
INFINITI HPV-QUAD Amp Mix	02-306
INFINITI CYP450 2D6 Amp Mix	03-301
INFINITI CYP450 2C19 Amp Mix	03-303
INFINITI 2C9-VKORC1 Amp Mix	03-304
INFINITI UGT1A1 Amp Mix	03-305
INFINITI NAT2 Amp Mix	03-306
INFINITI CYP450 3A4 Amp Mix	03-307
INFINITI MDR1 Amp Mix	03-308
INFINITI CYP450 3A5 Amp Mix	03-309
INFINITI MTBDR Amp Mix	04-301
INFINITI RVP Amp Mix	04-302

Manufacturer/Supplier: AutoGenomics, Inc.
2251 Rutherford Road
Carlsbad, CA 92008
Telephone No: (760) 804-7378
Toll Free: 1-866-782-8630
www.autogenomics.com

Unit Size: 4 vials per Pack; 250µl per vial

Amp Mix Reagents contain the following:

- Polymerase Chain Reaction (PCR) Primers
- Deoxyribonucleotide triphosphates (dNTPs)



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II. INFORMATION ON INGREDIENTS

Ingredients	CAS Number	% Wt
PCR Primers	--	<0.005%
dNTPs	--	<0.2%
KCl	7447-40-7	<2.0%
Tris-HCl	1185-53-1	<2.0%
MgCl ₂	7786-30-3	<0.5%
DMSO	67-68-5	<6.0%

III. PHYSICAL & CHEMICAL PROPERTIES

Physical State	Clear, colorless liquid
Odor	None
pH	ND
Boiling Point/Range	ND
Melting Point/Range	ND
Flash Point	ND
Flammability	Non-flammable
Vapor Pressure	ND
Water Solubility	soluble
Partition Coefficient	ND
Viscosity	ND
Vapor Density	ND
Evaporation Rate	ND

IV. HANDLING AND STORAGE

Handling:

- Observe good laboratory handling practices. Wash hands thoroughly after removal of protective gloves.
- Avoid contact with eyes and skin. Avoid breathing vapors and do not ingest.
- Use only with adequate ventilation.
- Label container and keep container tightly closed.

Storage:

- Store refrigerated (2 to 8°C) away from incompatible substances

V. STABILITY AND REACTIVITY

Stability:

- Stable in normal conditions

Materials and Conditions to Avoid:

- Metals
- Oxidizing agents
- Strong Bases
- Avoid excessive heat

Hazardous Decomposition Products:

- Hydrogen chloride
- Chlorine
- Nitrogen oxides
- Carbon monoxide
- Carbon dioxide
- Hazardous decomposition or byproducts will not occur in normal conditions.

Hazardous Polymerization:

- Will not occur



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VI. HEALTH HAZARD INFORMATION

Emergency Overview:

- Irritant to eyes, skin and respiratory system
- Should not be taken internally, inhaled or allow contact with skin

Acute Health Effects:

- Skin contact: May cause irritation to skin
 - Symptoms include - itching, scaling, reddening or blistering; may cause skin allergies
- Eyes: May cause irritation, redness, watering and itching
- Inhalation: Irritating to lungs; not to be inhaled
- Ingestion: Hazardous in case of ingestion
- Medical conditions aggravated by overexposure

Chronic Health Effects

- Carcinogenic Effects: None of the ingredients are known to cause cancer in animals or humans.
- Repeated or prolonged exposure is not known to aggravate medical conditions

VII. FIRST AID MEASURES

Eyes:

- Immediately flush eyes with plenty of water for at least 15 minutes; seek medical attention. Remove any contact lenses

Skin:

- Immediately flush skin with plenty of water for at least 15 minutes; remove any contaminated clothing and shoes and wash before reusing; cover the irritated skin with an emollient
- If irritation develops, get medical attention

Inhalation:

- Move to fresh air. If not breathing, administer artificial respiration; if breathing is difficult, give oxygen; 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
 - Loosen tight clothing such as a collar or tie, belt or waistband

VIII. FIRE and EXPLOSION INFORMATION

Auto-Ignition Temperature	N/A
Flammability of the Product	Non-Flammable
Flash Points	N/A
Flammable Limits	N/A
Products of Combustion	Metallic Oxides
Explosion Hazards	Risks of explosion in presence of static discharge and /or metals.
Risks of explosion in presence of mechanical impact	None
Fire Fighting Media and Instructions	N/A
Protective Clothing for Fire Fighting	N/A



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IX. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal:

- Wear appropriate protective equipment.
- Absorb with an inert, dry material and place in a waste disposal container in full compliance with national regulations

X. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

- Use adequate ventilation

Eyes Protection:

- Wear appropriate safety goggles or glasses with side shields

Skin Protection:

- Wear chemical resistant gloves (e.g., latex or neoprene) and protective clothing to minimize skin contact

XI. ECOLOGICAL INFORMATION

Ecological Information:

- Unavailable for this product

XII. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

- Prior to disposal, review federal, state and local government requirements

XIII. TRANSPORT INFORMATION

TDG Class:

- Not regulated

XIV. REGULATORY INFORMATION

WHMIS Classification:

- D2B - Material causing other toxic effects

Domestic Substances List:

- All ingredients are listed on the Domestic Substances List

XV. OTHER INFORMATION

This material is not intended for food, household, agricultural or cosmetic use. The information in this MSDS 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 MSDS 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