

**MATERIAL SAFETY DATA SHEET**

NAME OF PRODUCT: **Asanté DNA Purification Kit**

FILE NO.: LN-6112-00

MSDS DATE: 10 Oct 2014

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Asanté DNA Purification Kit  
**SYNONYMS:** N/A  
**PRODUCT CODES:** 1802

**MANUFACTURER:** Sedia Biosciences Corp  
**ADDRESS:** 4900 NE 122<sup>nd</sup> Ave  
Portland OR 97230

**EMERGENCY PHONE:** +1 (503) 459-4159  
**FAX PHONE:** +1 (503) 459-4168

**SECTION 2: HAZARDS IDENTIFICATION**

**Hazard description:**

Harmful

**Information pertaining to particular dangers for man and environment:**

Harmful if swallowed.

Irritating to eyes and skin.

**Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

**NFPA ratings (scale 0 - 4)**

Health = 2

Fire = 0

Reactivity = 0

**WHMIS ratings (scale 0 - 4)**

Health = 2

Fire = 0

Reactivity = 0

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Kit Components:** RNAse Solution, Proteinase K Solution, Binding Buffer, Wash Buffer 1, 2X, Wash Buffer 2, 2X, Spin Column Assemblies

**Hazardous Ingredients**

CAS#	EINECS	Chemical Name	Kit Component (s)	Weight %	Classifications, Hazard and Risk Statements
50-01-1	200-002-3	Guanidine HCl	Binding Buffer, Wash Buffer 1, 2X	40-60%	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; H302, H315, H319

See **SECTION 15** for detailed Hazard and Risk Statements

**SECTION 4: FIRST AID MEASURES**

- After inhalation:** Supply fresh air and consult a doctor.
- After skin contact:** Immediately wash with water and soap and rinse thoroughly with running water.
- After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:** Immediately consult a doctor.

**SECTION 5: FIRE-FIGHTING MEASURES**

- Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents:** Water, large jet.
- Protective equipment:** Do not inhale explosion or combustion gases.

## MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT: **Asanté DNA Purification Kit**

FILE NO.: LN-6112-00

MSDS DATE: 10 Oct 2014

---

### SECTION 6: ACCIDENTAL RELEASE MEASURES

---

**Person-related safety precautions:** Ensure adequate ventilation.

• **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

• **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according all applicable regulations.

---

### SECTION 7: HANDLING AND STORAGE

---

• **Information for safe handling:** Keep receptacles tightly sealed.

• **Information about protection against explosions and fires:** No special measures required.

• **Requirements for storerooms and receptacles:** No special requirements.

• **Information about storage in central storage facility:** Not required.

• **Further information about storage conditions:** Keep receptacle tightly sealed.

---

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

---

• **Additional information about design of technical systems:** None.

• **Components with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that must be monitored in the workplace.

• **Personal protective equipment:**

• **Protection of hands:** Liquid proof, barrier gloves.

• **Material of gloves:** Vinyl, latex or nitrile based.

• **Glove material break through time:** The exact break through time is the responsibility of the glove manufacturer and should be observed by the end user.

• **Eye protection:** Splash proof or tightly sealed goggles.

• **General protective and hygienic measures:**

• Keep away from foodstuffs, beverages and feed.

• Immediately remove all soiled and contaminated clothing.

• Wash hands before breaks and at the end of work.

• Avoid contact with eyes and skin.

---

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

---

• **General Information**

Form:	Fluid.
Color:	Colorless.
Odor:	Characteristic.

• **Change in condition**

Melting point / Melting range:	Undetermined.
Boiling point / Boiling range:	Undetermined.

• **Flash point:** Not applicable.

• **Auto igniting:** Not applicable.

• **Danger of explosion:** Not applicable.

• **Density at 20°C:** Undetermined.

• **Miscibility with Water:** Fully.

---

### SECTION 10: STABILITY AND REACTIVITY

---

• **Thermal decomposition** Not applicable.

• **Conditions to be avoided** Avoid sodium hypochlorite (bleach) addition.

• **Dangerous products of decomposition:** Toxic pyrolysis products.

• **Dangerous reactions:** With acids, alkalis and oxidizing agents.

## MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT: **Asanté DNA Purification Kit**

FILE NO.: LN-6112-00

MSDS DATE: 10 Oct 2014

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	
<b>Oral LD50:</b>	Undetermined.
<b>Inhalation LC50:</b>	Undetermined.
<b>Dermal LD50:</b>	Undetermined.
· <b>Primary irritant effect on the skin:</b>	Irritant to skin and mucous membranes.
· <b>Primary irritant effect on the eye:</b>	Irritating effect.
· <b>Sensitization:</b>	No sensitizing effects known.
<b>Inhalation:</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion:</b>	May be harmful if swallowed.
<b>Skin:</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eye:</b>	May cause eye irritation.
· <b>Signs and Symptoms of Exposure:</b>	Undetermined.
· <b>Synergistic effects:</b>	Undetermined.

### SECTION 12: ECOLOGICAL INFORMATION

**Water hazard class 1:** slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, drainage or sewage system.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste disposal method:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

### SECTION 14: TRANSPORT INFORMATION

**U.S. DOT:** Not dangerous goods.

**IMDG:** Not dangerous goods.

**IATA:** Not dangerous goods.

### SECTION 15: REGULATORY INFORMATION

<b>SARA</b>	
<b>Section 313 (Specific toxic chemical listings):</b>	None of the ingredients are listed.
<b>TSCA (Toxic Substances Control Act, Proposition 65):</b>	
<b>Chemicals known to cause cancer:</b>	None of the ingredients are listed.
<b>Chemicals known to cause reproductive toxicity for females:</b>	None of the ingredients are listed.
<b>Chemicals known to cause reproductive toxicity for males:</b>	None of the ingredients are listed.
<b>Chemicals known to cause developmental toxicity:</b>	None of the ingredients are listed.
<b>Carcinogenicity:</b>	
<b>EPA (Environmental Protection Agency):</b>	None of the ingredients are listed.
<b>IARC (International Agency for Research on Cancer):</b>	None of the ingredients are listed.
<b>NTP (National Toxicology Program):</b>	None of the ingredients are listed.
<b>TLV (Threshold Limit Value established by ACGIH):</b>	None of the ingredients are listed.
<b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>	None of the ingredients are listed.
<b>OSHA-Ca (Occupational Safety &amp; Health Administration):</b>	None of the ingredients are listed.
<b>Hazard symbols:</b>	Harmful.
<b>Hazard-determining components of labeling:</b>	Guanidine HCl (CAS 50-01-1).

**MATERIAL SAFETY DATA SHEET**

NAME OF PRODUCT: **Asanté DNA Purification Kit**

FILE NO.: LN-6112-00

MSDS DATE: 10 Oct 2014

---

<b>Hazard Statements:</b>	H302	Harmful if swallowed.
	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
<b>Risk Statements:</b>	P264	Wash skin thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P280	Wear protective gloves/ eye protection/ face protection.
	P301 P312	If swallowed: Call a Poison Center or physician if you feel unwell.
	P330	Rinse mouth.
	P332 P313	If skin irritation occurs: Get medical advice/ attention.
	P337 P313	If eye irritation persists: Get medical advice/ attention.
	P362	Take off contaminated clothing and wash before reuse.
	P501	Dispose of contents/ container to an approved waste disposal plant.
	P302 P352	IF ON SKIN: Wash with plenty of soap and water.
	P305 P351 P338	IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 10 minutes.

---

**SECTION 16: OTHER INFORMATION**

---

**DISCLAIMER AND OTHER INFORMATION:** Copyright 2013 Sedia Biosciences Corporation. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sedia Biosciences Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. Refer to invoice or packing slip for additional terms and conditions of sale.