## Safety Data Sheet (SDS)

		Durcy		
Revision Number:	1.1	•		Last updated: December 2014
1. Product and Co	ompany Identificatio	on		
Product Name:		SensoLyte	<b>®</b> Generic MMP Assay	Kit "Colorimetric"
Manufacturer/Supplier:		AnaSpec, I		
		www.anaspec.com		
		34801 Cam		
		Fremont, C	A 94555	
		Tel: 510-79	1-9560	
		Fax: 510-79		
			ice@anaspec.com	
Catalog Number		AS-72095		
Unit Size		1 kit		
2. Hazards Identi	fication			
Emergency Overvi				
GHS Hazard Class				
GHS Physical Haz		). Elemenabl	a liquid (Catagory 1)	
	-		e liquid (Category 4)	
	Other Compone	ans. Not App	JIICable	
GHS Health and E	Environmental Hazard	ls		
Component A,C,D: Irr		C,D: Irritant t	o eyes and skin	
	Component B,E	F: Not App	icable	
	Component G:	Skin irritant		
GHS Signal Words				
	Component A,		-	
	Other Compone	ents: Not App	blicable	
GHS Hazard State	ments:			
	Component A:	H227 Comb	ustible liquid	
	Component B,I	E,F: Not App	olicable	
	Component C:	H302 Harmf	ful if swallowed.	
	Component D:	H227 Comb	ustible liquid	
	Component G:	H303 May be	e harmful if swallowed.	
			rious eye irritation.	
		H402 Harmf	ul to aquatic life.	
GHS Precautionar				
	Component G:		kin thoroughly after hand	-
			release to the environme	
			protective gloves/eye pro	-
				inse cautiously with water.
		Remove con	tact lenses, if present and	d easy to do. Continue rinsing.

# P312 Call a POISON CENTER or doctor/physician if you feel unwell.P337 + P313 If eye irritation persists: Get medical advice/attention.

### P501 Dispose of contents/container to an approved waste disposal plant.

### Other Components: Not Applicable *HMIS Classification:*

minis classification.						
<b>Component A:</b>	<b>Component B:</b>	<b>Component C:</b>	<b>Component D:</b>	<b>Component E:</b>	<b>Component F:</b>	<b>Component G:</b>
Health hazard:	Health hazard:	Health hazard:	Health hazard:	Health hazard:	Health hazard:	Health hazard:
0	0	0	0	0	0	2
Flammability: 2	Flammability: 0					
Physical	Physical	Physical	Physical	Physical	Physical	Physical
hazards: 0	hazards: 0	hazards: 0	hazards: 0	hazards: 0	hazards: 0	hazards: 0

#### NFPA Rating:

Component A:	Component B:	Component C:	Component D:	Component E:	Component F:	Component G:
Health hazard:						
0	0	0	0	0	0	2
Fire: 2	Fire: 0	Fire: 0	Fire: 2	Fire: 0	Fire: 0	Fire: 0
Reactivity						
hazard: 0						

#### 3. Composition / Information on Ingredients

Chemical Name:	Description	CAS Number:	
Component A	Contains DMSO	67-68-5	
Component B	Proprietary	N/A	
Component C	Proprietary	N/A	
Component D	Contains DMSO	67-68-5	
Component E	Proprietary	N/A	
Component F	Proprietary	N/A	
Component G	Proprietary	NA	

#### 4. First Aid Measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### Component A and D

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

- *Ingestion:* Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- *Skin:* Wash off with soap and plenty of water. Consult a physician.
- *Eyes:* Flush eyes with water as a precaution.

#### Component B, C, E and F

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Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a
	physician.
Skin:	Wash off with soap and plenty of water. Consult a physician.
Eyes:	Flush eyes with water as a precaution.
-	

Component G	
	into fresh air. If not breathing give artificial respiration Consult a physician.
	th to an unconscious person. Rinse mouth with water. Consult a physician.
	ty of water. Consult a physician.
	y of water for at least 15 minutes and consult a physician.
5. Fire Fighting Measures	
Extinguishing media:	<b>Component A and D:</b> For small fires, use alcohol resistant foam, dry
	chemical, or carbon dioxide. For large fires, use water spray from a safe
	distance.
	<b>Component B, C, E, F and G:</b> Not applicable
Special firefighting procedures:	<b>Component A and D:</b> Fire fighters should wear positive pressure self-
	contained breathing apparatus (SCBA) and full turnout gear.
	contained breathing apparatus (SCDA) and fun turnout gear.
	Component P. C. F. F. and C. Not applicable
	Component B, C, E,F and G: Not applicable
Unusual fire and explosions hazards:	<b>Component A and D:</b> Combustible liquid and vapor. Vapors are heavier
	than air and may travel to a source of ignition and flash back. Vapors can
	spread along the ground and collect in low or confined areas. Hazardous
	carbon oxides and sulphur oxides formed under fire conditions.
	<b>Component B, C, E, F and G:</b> Not applicable
	Component D, C, E,F and G: Not applicable

#### 6. Accidental Release Measures

Containment and spill	Component A and D: Immediately contact emergency personnel. Prevent further
response	leakage or spillage if safe to do so. Avoid breathing vapors or mist. Remove all sources
	of ignition and provide ventilation. Collect with an electrically protected vacuum
	cleaner, by wet-brushing, or by absorbing with vermiculite, sand or earth, and place in
	appropriate container for disposal. Do not let material enter drains.
	Component B, C, E and F: Keep in suitable, closed containers for disposal.
	<b>Component G:</b> If necessary, neutralize with dilute acetic acid. Use appropriate
	equipment to place in appropriate waste disposal container. Spread water on
	contaminated surface and dispose of according to local and regional requirements.
PPE	Use personal protective equipment

#### 7. Handling and Storage

#### Component A and D

*Handling:* Wash thoroughly after handling. Remove and wash any contaminated clothing. Keep container tightly closed and avoid contact with eyes, skin, and clothing. Use with adequate ventilation and avoid ingestion and inhalation. Keep away from heat and flame.

*Storage:* Store in a tightly closed container away from moisture, heat, and flame. Store away from incompatible substances. Storage under a nitrogen blanket has been recommended.

## **Component B, C, E and F:** Keep in suitable, closed containers for disposal. **Component G:**

*Handling:* Do not ingest or inhale.

*Storage:* Store in a tightly closed container in a cool, well-ventilated area. Keep away from incompatible materials such as oxidizers and metals.

8. Exposure Contr	rols / Personal Protection
Engineering controls	<b>Component A and D:</b> Facilities storing and using this material should be equipped with a
	safety shower and eyewash station. Adequate ventilation should also be present.
	Component B, C, E and F: Not Applicable.
	<b>Component G:</b> Use process enclosures, local exhaust ventilation, or other engineering
	controls to keep airborne levels below recommended exposure limits. If user operations
	generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants
	below the exposure limit.
PPE	Component A and D
	<i>Respiratory System:</i> A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever
	workplace conditions warrant respirator use.
	Skin and Body: Wear appropriate work uniform or laboratory coat to prevent skin exposure.
	Hands: Use chemical resistant, impervious gloves. Appropriate techniques should be used
	to remove potentially contaminated gloves.
	Eyes: Wear chemical splash goggles.
	Component B, E and F: Not Applicable.
	Component C:
	<i>Respiratory System:</i> A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever
	workplace conditions warrant respirator use.
	Skin and Body: Wear appropriate work uniform or laboratory coat to prevent skin exposure.
	Hands: Use chemical resistant, impervious gloves. Appropriate techniques should be used
	to remove potentially contaminated gloves.
	Eyes: Wear chemical splash goggles.
	Component G:
	Respiratory System: Not applicable.
	Skin and Body: Wear appropriate work uniform or laboratory coat to prevent skin exposure.
	Hands: Use chemical resistant, impervious gloves. Appropriate techniques should be used
	to remove potentially contaminated gloves.
	Eyes: Handle with safety glasses.
9. Physical and Ch	

9. Physical and Chemical Properties		
Physical State	Liquid	
Odo	Not determined	
Solubility in Water	Soluble	
Specific Gravity	Not determined	
рН	Component C: pH-7.5	
	Component G: pH-8	

Boiling Point	Not determined
Melting Point	Not determined
Flash Point	Not determined
Vapor Pressure:	Not determined
Vapor Density:	Not determined
vapor Density.	Not determined
10.Stability and Reactivity	
Thermal Decomposition	Not applicable
Dangerous Products of Decomposition	Not Applicable
Dangerous Reactions	Not Applicable
11.Toxicological Information	
RTECS Number	Component A: PV6210000Component B: NAComponent C: NAComponent D: PV6210000Component E: NAComponent F: NAComponent G: NAComponent G: NAComponent A, and Component D contain DMSO.For DMSOOral LD50LD50 Oral - rat - 14,500 mg/kgInhalation LC50LC50 Inhalation - rat - 4 h - 40250 ppmDermal LD50LD50 Dermal - rabbit - > 5,000 mg/kg
Health Hazards	No data available
Potential Hazards	Potential Health Effects NA
Carcinogenicity:	No data available
OSHA Permissible Exposure Limit(PEL) Data	No data available
ACGIH Threshold Limit Values (TLV)	No data available

<b>12. Ecological Information:</b>	
	57-68-5 (Component A and D contains DMSO)
Toxicity	
Toxicity to fish LC50 - Pimephales promelas	
LC50 - Oncorhynchus mykiss (rainbow trou	
	ebrates. EC50 - Daphnia pulex (Water flea) - 27,500 mg/l
Toxicity to algae EC50 - Lepomis macroching	rus (Bluegill) - > 400,000 mg/l - 96 h
Persistence and degradability	
No data available	
Bioaccumulative potential	
No data available	
Mobility in soil	
No data available	
PBT and vPvB assessment	
No data available	
Other adverse effects	
No data available	
13. Disposal Considerations	
For Dimethyl sulfoxide (DMSO) CAS-No.	67-68-5 (Component A and D)
This combustible material may be burned in	a chemical incinerator equipped with an afterburner and scrubber. Offer
surplus and non-recyclable solutions to a lic	ensed disposal company.
Contaminated packaging	
Dispose of as unused product.	
14. Transport Information:	
UN Number	N/A
Hazard Class	N/A
Identification Number	N/A
Packing Group	N/A
Proper Shipping Name (DOT)	N/A

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15. Regulatory information		
California Proposition 65:	NA	
US TSCA (Toxic Substance Control Act):	Component A: Listed Component B: Not Listed Component C: Listed Component D: Listed Component E: Not Listed Component F: Not Listed Component G: Listed	
US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act:	Component G: Listed Component A : 261.33 8(d). Component B : Not Listed Component C : Not Listed Component E : Not Listed Component F: Not Listed Component F: Not Listed Component G: CAS# 60-00-4: 5000 lb final RQ; 2270 kg final RQ	
US SARA Title III	Component <b>A and D</b> SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: Fire Hazard, Chronic Health Hazard Component <b>B, C, E and F</b> SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: N/A Component <b>G</b> SARA 302 components: N/A SARA 313 components: N/A SARA 313 components: N/A SARA 313 components: N/A SARA 313 components: N/A	
US Clean Air Act:	Component <b>A, B, C, D, E F and G</b> Listed under Hazardous Air Pollutants: Not listed Listed under Class 1 Ozone Depletors: Not listed Listed under Class 2 Ozone Depletors: Not listed	
US Clean Water Act:	Components <b>A</b> , <b>B</b> , <b>C</b> , <b>D</b> , <b>E</b> and <b>F</b> Listed under "Hazardous Substances": Not listed Listed under "Priority Pollutants": Not listed Listed under "Toxic Pollutants": Not listed Component <b>G</b> Listed under "Hazardous Substances": Listed Listed under "Priority Pollutants": Not listed Listed under "Toxic Pollutants": Not listed	

	US States: Right-to	States: Right-to-Know: Listed in the following States:											
	Component A:	Component B:	Component C:	Component D:	Component E:	Component F:	Component G:						
	Pennsylvania			Pennsylvania			Pennsylvania						
	Revision Date			Revision Date			Revision Date						
	2007-03-01	N/A	N/A	2007-03-01	N/A	N/A	2007-03-01						
	New Jersey			New Jersey			New Jersey						
	Revision Date			Revision Date			Revision Date						
	2007-03-01	N/A	N/A	2007-03-01	N/A	N/A	2007-03-01						
	N/A			N/A			Massachusetts						
							Revision Date						
		N/A	N/A		N/A	N/A	2007-03-01						
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#### European/International Regulations:

	Component	Component	Component	Component	Component E:	Component F:	Component	
	A:	B:	C:	D:			G:	
EC EINICS	200-664-3	N/A	N/A	200-664-3	N/A	N/A	200-573-9	
EC Risk	36/37/38	N/A	N/A	36/37/38	N/A	N/A	36/37/38	
statements								
WGK	1	N/A	N/A	1	N/A	N/A	2	
Canada-	Listed	Not listed	Not listed	Listed	Not listed	Not listed	Listed	
DSL/NDSL								ĺ
Canada-	D2B	N/A	N/A	D2B	N/A	N/A	D2B	
WHMIS								
classification								
Canada-	Listed	Not listed	Not listed	Listed	Not listed	Not listed	Not Listed	
Canadian								ĺ
Ingredient								ĺ
Disclosure								ĺ
List								

#### 16. Other Information

It is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product.