ASSAYPRO LLC		Mate	rial Safety	v Data Sheet (N	ASDS	5)						
. Identification of the	substance/r	preparation and o	of the com	oanv/undertak	ing							
Catalog # EA8821-		1			<u> </u>	only)						
This ELISA Kit is inte	nded by As	saypro for in vit	ro determ	ination of sam	ples. I	For resea	arch us	e only.				
Assaypro LLC				Phone: 1-63	5-447	-9175						
30 Triad South Drive	1 1104			Fax: 636-447		-						
St. Charles, MO 6330	<i>'</i>			Email: suppo	ort@a	issaypro	.com					
2. Hazards identificati		•										
None of the hazardous However exposure to 1							izardou	is accor	dingto	direct	tive 67/54	.8/EC
		r										
	Microwell	EIA Diluent Concentrate		Biotinylated	Wash		Streptavidin-					
Kit Components	plate, 96 precoated	(10x) or MIX Diluent Concentrate (10x)	Standard	Antibody or	Buffer Concentrat	ier 🛛	Peroxidase Conjugate (SP		Chromogen Substrate		Stop Solution	
			Standard									
	wells				(20x)		Conjugate)					
Hazard to man (if		(10,4)		1								
exposed to large		х	x	X	x							
amounts)												
Risk of percutaneous		X	X	X	x				х		х	
absorption.				1	<u> </u>							
Hazard to the environment												
Harmful to aquatic												
organisms, may												
cause long-term		Х	X	X	х							
adverse effects In the aquatic environment.												
aquatic environment.												
	contains a ha		Chromog	,	ſΜΒ	Substrat	e), Sto	p Soluti	ion.			
ngredients listed as ha	contains a ha	azardous ingredie	Chromog ent in an ar	en Substrate (7	TMB uires	Substrat	e), Sto The co	p Soluti	ion. in the c	xompo Class	onents of	
ngredients listed as ha	contains a ha zardous are	azardous ingredie given below:	Chromog ent in an ar	en Substrate (7	TMB uires	Substrat	e), Sto The co	p Soluti	ion. in the c	compo Class (pure	onents of	
No single component of ingredients listed as ha Component EIA Diluent Concent Concentrate (10x) or	contains a ha zardous are	azardous ingredie given below:	Chromog ent in an ai	en Substrate (7	IMB	Substrat	e), Sto The co	p Soluti ontents CAS# None	ion. in the c EC#	compo Class (pure ingre	onents of sification e in	
ngredients listed as ha Component EIA Diluent Concenti	xontains a ha zardous are rate (10x) or NAB Diluer	azardous ingredie given below:	Chromog ent in an ar In Ox) Pr	en Substrate (1 nount that req gredient		Substrat	e), Sto The co	p Soluti ontents : CAS#	ion. in the c EC# None	Class (pure ingre Xi;R NA,	onents of sification e in dient)	
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ngredients listed as ha Component EIA Diluent Concent: Concentrate (10x) or Wash Buffer Concent	contains a ha zardous are rate (10x) or NAB Diluer rate (20x)	zardous ingredie given below: MIX Diluent at Concentrate (1	Chromog ent in an au In 0x) Pt Sc 3,	en Substrate (1 nount that req gredient oclin 300 dium Azide		Substrat labeling Concent 0.04 % 0.02 % 5% (w/v	e), Sto	p Soluti ontents CAS# None 26628- 22-8	ion. in the c EC# None 259- 364- 6	Class (pure ingre Xi;R NA,	onents of sification e in dient) 36/37/38 biologic 222 N:	
ngredients listed as ha Component EIA Diluent Concent Concentrate (10x) or Wash Buffer Concent Chromogen Substrate	contains a ha zardous are rate (10x) or NAB Diluer rate (20x)	zardous ingredie given below: MIX Diluent at Concentrate (1	Chromog ent in an au In 0x) Pr 5x 3, te	en Substrate (1 nount that req gredient oclin 300 dium Azide 3', 5,5' – tramethylbenz	Image: Marcological content Image: Marcol	Substrat labeling Concent 0.04 % 0.02 % 5% (w/v	e), Sto	p Soluti ontents : CAS# None 26628- 22-8 54827- 17-7 7647-	ion. in the c EC# None 259- 364- 6 231-	Class (pure Xi;R NA, Xn;F R51/	pnents of sification e in dient) 36/37/38 biologic 222 N: 53	
ngredients listed as ha Component EIA Diluent Concent: Concentrate (10x) or Wash Buffer Concent	contains a ha zardous are rate (10x) or NAB Diluer rate (20x)	zardous ingredie given below: MIX Diluent at Concentrate (1	Chromog ent in an au In 0x) Pr 5x 3, te	en Substrate (1 nount that req gredient oclin 300 dium Azide 3°, 5,5° –	Image: Marcological content Image: Marcol	Substrat labeling Concent 0.04 % 0.02 % 5% (w/v H2O	e), Sto	p Soluti ontents : CAS# None 26628- 22-8 54827- 17-7	ion. in the c EC# None 259- 364- 6 231-	Class (pure ingre Xi;R NA, Xn;F	pnents of sification e in dient) 36/37/38 biologic 222 N: 53	
ngredients listed as ha Component EIA Diluent Concent Concentrate (10x) or Wash Buffer Concent Chromogen Substrate Stop Solution	antains a ha zardous are rate (10x) or NAB Diluer rate (20x) (TMB Sub	zardous ingredie given below: MIX Diluent at Concentrate (1	Chromog ent in an au Ox) Pr Sc 3, te H	en Substrate (1 nount that req gredient oclin 300 dium Azide 3', 5,5' – tramethylbenz	TMB uires I	Substrat labeling Concent 0.04 % 0.02 % 5% (w/v H2O	e), Sto	p Soluti ontents : CAS# None 26628- 22-8 54827- 17-7 7647-	ion. in the c EC# None 259- 364- 6 231- 595- 7	Class (purd ingre Xi;R NA, Xn;F R51/	pnents of sification e in dient) 36/37/38 biologic 222 N: 53	
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Flammability of the product: Fire Hazard; Flash point 250 C or 482 F Explosion Hazard: If this material in powder form, it is capable of creating a dust explosion.

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

6. Accidental release measures:

Personal precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel for entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Small spill

Stop leak if without risk. Move containers for spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. Handling and storage:

Handling:

Put on appropriate personal protective equipment. Eating drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Keep in the original containers; expiry date is printed on the kit box label. Take care to keep workplace clean and dry. The substances used should not be present at the place of work in qualities above those required for carrying out the work. Do not leave containers open.

Storage:

Components of kits require store between the following temperatures: 2 to 8 C or -20 C. Refer components lable for details. Keep containers tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Specific use:

The product is intended for research use only. Intended for professional use only.

8. Exposure controls/personal protection:

Hands:

Chemical-resistance, impervious gloves complying with an approved standard should be worn at all times when handling chemical and biological products if a risk assessment indicates this is necessary.

Eves

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts.

Skin

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this kit.

9. Physical and chemical properties

Data for kit component solution (not for individual ingredients)

Appearance: Clear to yellow solutions pH: Neutral except for the Stop Solution (Acidic solution) Boiling point: N/A Flash point: N/A Flammability: N/A Explosive properties: N/A Oxidizing properties: N/A Oxidizing properties: N/A Vapor pressure: N/A Relative density: N/A Solubility: Soluble in water Viscosity: N/A Vapor density: N/A Evaporation rate: N/A Additional parameters: N/A 10. Stability and reactivity

Stable.

However note expiry date printed on the kit box label. Store at 2-8 C or -20 refer to components lable and replace the components at this temperature at the end of the working procedure.

Conditions to avoid: Heating above room temperature, freezing.

Materials to avoid: Generally use only clean glass and plastic suitable for laboratory use for handling the kit components. None know materials to be avoided.

Dangerous reactions: In the case of fire see chapter 5. No dangerous reactions known.

Further information: Note that Stop Solution contains 0.5 N Hydrochloric Acid (HCL) and has a corrosive effect.

11. Toxicological information:

Because of the small size of the container and the low concentrations of hazardous ingredients, the toxicological risks are minor.

Toxicological experiments have not been done on the kit components. The following toxicological information is for the hazardous ingredient in pure form for Pierce:

Pierce Peroxidase Conjugate Stabilizer used in SP Conjugate.

Acute toxicity After inhalation: May be harmful after inhalation and irritate the respiratory tract. After swallowing Harmful if swallowed After skin contact: Irritation of the skin, danger of skin absorption. After eye contact: May cause eye irritation Animal toxicological data LD50 (oral, Rat 4700 mg/kg, LD50) Human toxicological data: No data available. 12. Ecological information

No known significant effects or c	ritical hazards.								
Further ecological information Do not allow to enter waters, wa Due to the small size of the conta		oncentrations of hazardous ing	redients, risks are i	minor.					
13. Disposal considerations									
Product: Must be disposed in cor Packaging Must be disposed in c			S.						
14. Transport information									
Regulatory information:	UN Number	Proper shipping name	Classes	Packaging group					
DOT Classification:	Not regulated								
IATA – DGR Class:	Not available	Not available	Not available	Not available					
15. Regulatory information:									
No single component contains a hazardous ingredient in an amount that requires identification and labeling according to EC directive									
16. Other information									
For research use only. For Professional use only. Read instructions for use before u	using the product. T	The customer is responsible for	determining the Pl	PE code for this material					
To the best of our knowledge, the sole responsibility of the user. A hazards are described herein, we a	ll materials may pre	sent unknown hazards and she	ould be used with c						

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