

1. Identification of substance

This MSDS is valid for the following products:

Product details

REF	NAME	Additional REFs	Tests
517.050	rLKS - wrapped (5 wells)	Including demo and bulk references: xxx.Demo xxx.Bulk5 xxx.Bulk10	50
517.101	rLKS - wrapped (10 wells)		100
517.051	rLKS - separated (5 wells)		50
517.100	rLKS - separated (10 wells)		100
518.050	mLKS - separated (5 wells)		50
518.100	mLKS - separated (10 wells)		100
55.050	rKS - separated (5 wells)		50
56.050	mKS - separated (5 wells)		50
56.100	mKS - separated (10 wells)		100
53.100	nDNA (10 wells)		100
53.100.US	nDNA (10 wells)		100
51.100 51.101	ANA HEp-2 (12 wells)		120
51.100.US	ANA-HEp-2 (12 wells)		120
51.101.US	ANA-HEp-2 (12 wells)		120
512.050	EMA IgA (5 wells)		50
512.100	EMA IgA (10 wells)		100
512.060	EMA IgG (5 wells)		50
512.101	EMA IgG (10wells)		100
512.005	EMA Check (5 wells)		50
512.010	EMA Check (10 wells)		100
54.100	ANCA Ethanol (12 wells)		120
54.050	ANCA Ethanol (6 wells)		60
54.101	ANCA Formalin (12 wells)		120
54.051	ANCA Formalin (6 wells)		60
54.100.US	ANCA Ethanol (12 wells)		120
54.101.US	ANCA Formalin (12 wells)		120
54.050.US	ANCA Ethanol (6 wells)		60
54.051.US	ANCA Formalin (6 wells)		60

<i>and the single components:slides:</i>		<i>individual components:</i>	
REF	NAME	REF	NAME
S517.050	rLKS - rat, wrapped (5 wells)	SBIFA	Sample buffer IFA
S517.101	rLKS - rat, wrapped (10 wells)	WBIFA	Wash buffer10x concentrated
S517.051	rLKS - rat, separated (5 wells)	MMIFA	Mounting Medium
S517.100	rLKS - rat, separated (10 wells)	EBIFA	Evans Blue
S518.050	mLKS - mouse, separated (5 wells)	PC51.100 PC51.101 PC51.100.US PC51.101.US	ANA pattern control
S518.100	mLKS - mouse, separated (10 wells)	PC53.100	nDNA Positive control
S55.050	rKS - rat, separated (5 wells)	PC512.050	EMA positive control IgA
S56.050	mKS - mouse, separated (5 wells)	PC512.060	EMA positive control IgG
S56.100	mKS - mouse, separated (10 wells)	PC512.005	EMA positive control Check
S53.100	nDNA (10 wells)	PCDTIFA	LKS/KS positive control
S51.100	ANA HEp-2 (12 wells)	PC54.100	c-ANCA positive control
S512.050	EMA IgA (5 wells)	PC54.101	p-ANCA positive control
S512.100	EMA IgA (10 wells)	C51.100 C51.101 C51.100.US C51.101.US	Conjugate ANA-Hep2
S512.060	EMA IgG (5 wells)	C53.100	Conjugate nDNA
S512.101	EMA IgG (10wells)	C512.050	Conjugate EMA IgA
S54.100	ANCA Ethanol (12 wells)	C512.060	Conjugate EMA IgG
S54.101	ANCA Formalin (12 wells)	C512.005	Conjugate EMA Check
S54.050	ANCA Ethanol (6 wells)	CDTIFA	Conjugate LKS/KS
S54.051	ANCA Formalin (6 wells)	C54.100	Conjugate ANCA Ethanol
		C54.101	Conjugate ANCA Formalin
		NCIFA	Negative control
		NCANCA	Negative control

Manufacturer / Supplier	AESKU.DIAGNOSTICS GmbH&Co.KG Mikroforum Ring 2 55234 Wendelsheim; Germany	Tel.: -49-6734-9622-0 Fax: -49-6734-9622-2222 E-mail: info@aesku.com http: www.aesku.com
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2. Hazard information

2.1 Classification of the substances or mixture

Product is **not classified as hazardous** according to the European Regulation 1999/45/EC or 1272/2008/EC.
Human health hazards No specific hazard.

2.2 Label Elements

Pictogram	None
Signal Word	None
Hazard Statement(s)	None
Precautionary Statement(s)	None
Supplement Hazard Statement(s)	None




2.3 Other Hazards

None

3. Composition / Data on liquid components

Controls:	Human antibodies <1% in phosphate buffered saline, sodium azide 0.09% as preservative and BSA for stabilization.
Enzyme conjugates:	FITC conjugated goat or rabbit anti-human antibody <0.001% in phosphate buffered saline; <0.001% Evans Blue; sodium azide 0.09% as preservative and bovine serum albumin (BSA), Tween 20 for stabilization.
Sample buffer:	Phosphate buffered saline with sodium azide 0.09% as preservative and BSA for stabilization.
Wash buffer:	Phosphate buffered saline with sodium azide 0.09% as preservative.
Evans Blue:	Phosphate buffered saline with 0.2% Evans blue
Mounting Medium	Phosphate buffered saline with 70% Glycerol, Stabilizer

The bovine serum albumin was derived from bovine blood collected at USDA licensed establishment. Even though all mixtures do not meet the criteria for classification according to 1272/2008/EC we have summarized the components below for reason of completeness:

EINECS	CAS-No.	name	%	symbol	R-phrases / H-statements
Wash buffer / Controls / Conjugate / Sample buffer					
247-852-1	26628-22-8	Sodium azide	<0.1		H300,H400,H410, EUH032
Evans Blue					
206-242-5	314-13-6	Tetrasodium 6,6'-((3,3'-dimethyl-(1,1'-biphenyl-4,4'-diyl)bis(azo)bis(4-amino-5-hydroxy-1,3-naphthalenedisulphonate)	<1%		H350
Mounting Medium					
-	-	Stabilizer	-		H315 H319 H335 H412

The full text of H-statements is in article 16

4. First aid measures

4.1 Description of First Aid measures

General information	Consult a physician. Show this safety data sheet to the doctor in attendance.
After inhalation	If breathed in, move the concerned person into fresh air. In case of apnoea, give artificial respiration. Consult a physician.
After skin contact	Wash off with plenty of water. Consult a physician.

After eye contact	Rinse the opened eye for several minutes with running water, if necessary remove contact lenses. Consult an ophthalmologist.
After swallowing	Never give anything by mouth to an unconscious person. Rinse mouth with water, drink sufficient amount of water, consult a physician.
4.2 Most important symptoms and effects, both acute and delayed No data available	
4.3 Indication of any immediate medical attention and special treatment needed No data available	

5. Fire fighting measures	
5.1 Extinguishing media CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.	
5.2 Special Hazards arising from the substance or mixture The product itself is not inflammable; extinguishing measures should therefore be prepared for an environmental fire. In case of fire toxic vapors, e.g. nitric oxide, can be released.	
5.3 Advice for fire fighters Wear breath protective mask and protective clothes if necessary during fire fighting.	

6. Accidental release measure	
Person-related safety precautions	Use personal protective equipment. Avoid breathing vapor/mist/gas. Care for appropriate ventilation.
Measures for environmental protection	Prevent seepage into sewage system, workpits and cellars. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/collecting	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
Observe laboratory safety regulations. Avoid contact with skin and eyes. Do not swallow. Do not pipette by mouth. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled. When spilled, absorb with an inert material and put the spilled material in an appropriate waste disposal.	

7. Handling and storage	
Handling:	Special measures are not required.
Storage:	Store at 2 to 8 °C. Protect from light.

8. Exposure controls and personal protection gear	
Respiratory protection:	Not required
Hand protection:	Wear protective gloves of nitril rubber or nature latex.
Eye protection:.	Wear protective glasses

9. Physical and chemical properties	
Coated slide:	glass slide in foil pouch.
Controls:	Colorless fluid in polyethylene bottle.
FITC conjugate:	Blue fluid in polyethylene bottle.
Sample buffer:	Colorless fluid in polyethylene bottle.
Wash buffer:	Colorless fluid in polyethylene bottle.
Evans Blue:	Blue fluid in polyethylene bottle.
Mounting Medium:	Colorless fluid in polyethylene bottle.

10. Stability and reactivity	
10.1. Reactivity No data available	
10.2 Chemical stability No data available	
10.3 Possibility of hazardous reactions No data available	
10.4 Conditions to avoid	

Light, heat, moisture (will not cause a dangerous reaction, but destroys the quality of the product)
10.5 Incompatible materials
Oxidizing agents, metals (will not cause a dangerous reaction, but destroys the quality of the product)
10.6 Hazardous decomposition products
Dangerous decomposition products are not known.

11. Toxicological information

Used according to intended use no toxicological reactions known.

12. Ecological information

Used according to intended use no ecological reactions known.

13. Disposal considerations

Waste should be disposed of in accordance with federal, state and local environmental control regulations. When disposing of conjugate solution, sample buffer or wash buffer flush drains with copious amounts of water. Disposal of packaging according to the instructions of the public authorities.

14. Transport information

This product is not subject to official transport regulations.

15. Regulations

1907/2006/EC	Registration, evaluation and authorization of chemicals regulation (REACH)
1272/2008/EC	Classification, labelling and packaging regulation (CLP, globally harmonized system GHS) replaces 67/548/EWG and 1999/45/EC, amending 1907/2006/EC
453/2010/EC	Compilation of safety data sheets regulation (SDS), amending 1907/2006/EC
This product is not classified according to the EU regulations 1272/2008. No labeling requirement	

16. Other information

Revision according to 453/2010 EU.

All mixtures do not meet the criteria for classification according to 1272/2008/EC.

Safety data for product including all components. This product is intended for professional laboratory use. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Full text to the H-statements mentioned in heading 3:

H300 Fatal if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H350 May cause cancer
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH032 Contact with acids liberates very toxic gases

The REACH registration numbers is not available as the substances or its use is exempted from registration according to article 2 REACH Regulation EC 1907/2006, or the annual tonnage does not require a registration and is envisaged for a later registration deadline.

Department issuing MSDS

Quality control

Date of issue: 4th April 2018