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ww.ce.immundiagnostika.com				
Instru	ction for use	( F		
Use by professionals only Tests/ml: 25: with drop size 40ul when using senarate		<b>1</b> 0483		
volu	umetric pipettes			
Revision:		29/07-2019		
Product-Name:		Product-Code:		
Anti Koll				
ARCHERI AEK4				
		Kell-mono-MS56		
Anti-Kell				
MS56		n Dia devoue testeonest for missonlate, tube, clide, and clate, teste		
All described test me	ethods are only valid for manual applications as i	recommended in this instruction. The user must determine their suitability for use in		
	other techniques (automates, gel-cards, others)	according to recognized techniques in individual responsibility.		
	Only for in-vitro diagnostic labo	oratory use. Store at + 2 - 8 °C when not in use.		
Dreduct description:	Anti Kallia a raagant which managlang h	man late antihadias from human hubridama call lines, detect the respective performanding		
Product description:	antigen by a direct agglutinating reaction	Sodium acide (< $0.1\%$ w/w final concentration) is added as a preservative. The absence of		
	agglutination shows the missing of corresp	ponding antigens.		
Clone:	• AEK4			
	• MS56			
Note/Caution:	Sodium acide can cause high explosive me	tal acide combinations with lead and cooper. When pouring rinse with a lot of water. All		
	materials for the manufacturing of blood g	group typing reagents are tested against HBSAg, HCV and HIV. Unly negative tested materials		
	produce this reagent has been tested and	found to be negative for HIV and HCV antibodies and HBsAg in microbiological tests. No		
	known regime of testing can completely g	uarantee that any product derived from human blood is incapable of transmitting infectious		
	agents. Bovine albumin or respective raw	materials derived from animals free of BSE. Care should be exercised in the use and the		
Tast mathads:	disposal of the container and its contents.	coordulants (EDTA ACD). Testing should be performed as soon as possible to minimise the		
rest methous.	chance that falsely positive or falsely nega	tive reactions are encountered due to contamination or improper storage of a specimen.		
	Samples that cannot be tested immediate	ly should be stored at $+2 - 8$ °C. Test should be performed with blood cells dissolved in 0,9%		
	saline solution.			
Additional materials required:	Isotonic saline, transfer pipettes, glass slides, applicator slicks, slides or plates, test tubes and test tube racks, validated serological			
	centriruge, cell panel, timer. Microplate tosti: microplate microplate shaker (optional) validated serelegical centrifuge, when used with reading machine or op			
	automates it is the users responsibility to	validate any accessory device for the intended use, NaCl solution, timer, transfer pipette, if		
	necessary Bovine Albumin.			
Microplate test:	MTP from different suppliers show different characteristics which might have non-specific reaction of the red blood cells as a consequence. It is			
	U-profile out of plastic.			
	1. Add 1 drop (30-50μl) of Bovine Albumin 22% to each well.			
	<ol> <li>Through careful movements or on a shaker mix well so that all wells uniformly are coated.</li> <li>Insubate 10.15 min. at PT (18.25%)</li> </ol>			
	<ol> <li>4. Pour off Bovine Albumin and give the contents in suitable waste container</li> </ol>			
	5. Rinse MTP at least 10 x with tap water.			
	6. Rinse MTP subsequently 2 x with distilled water.			
	8. Drv MTP before use at the air.	der to remove surplus water.		
	Alternative methods possible as far as validated by the users.			
	<ol> <li>Add one drop of the respective reagent (30-50µl) to the appropriate test wells of a U well microplate.</li> </ol>			
	3. Add an equal volume of the cell suspension to the appropriate test wells.			
	4. Mix the contents of each well us	sing manual means or a microplate shaker. (30 sec.)		
	<ol> <li>wo incubation time necessary except for titrations or to the strengthening or weak Phenotypes.</li> <li>Centrifuge the microplates at 1,500 UpM for 60 sec. or other appropriate time and UpM</li> </ol>			
	7. Re-suspend the red cells using t	he microplate shaker. (as in no. 4.)		
	<ol> <li>Read tests macroscopically or w hut he sustant on The use of add</li> </ol>	vith an automated plate reader. The use of an automated plate reader must be validated		
Tube test:	In order to improve the test results it is re	commended to wash the blood cells at least one time in 0.9% saline solution		
	1. Prepare a 2-3% red cell sus	spension of the washed red cells in isotonic saline.		
	2. Add 1 drop of Anti – Kell a	nd one drop of red cells to the appropriately labelled tube.		
	3. Mix well, incubate at RT 10	0 – 15 min. and centrifuge for 1 minute at 400 g (1.500 UpM.) or at a suitable		
	alternative force and time			
	4. Gently agitate each tube to	o resuspend the Cell buttons and examine for agglutination.		
	6. Incubate all negative or do	bubtful positive tests at 37°C for additional 5 minutes and repeat stages 3 to 5		
	An incubation phase of 5 minutes at 37°C	may enhance the reaction strength of rare phenotypes. Prolonged incubation times of up to		
	60 min. has no improved effect.			
Slide-test/plate-test:	1. Slide-tests are performed with	h whole blood, plate-tests with washed Erythrocytes or whole blood.		
	2. Place one drop of the reagent	t on a clean glass-, plastic slide or on a plate.		
	5. Add one drop of whole blood 0.9% saline solution (respectiv	respectively -55-45% suspension of red cells) to the shoes of one drop of whole blood in yelv 10% red-cell suspension) to the plate using a transfer pipette or applicator stick		
	4. Mix blood and reagent. This is	s achieved by slow rotation over a period up to 2 minutes (slides) and on plates after an		
	incubation time of $5 - 10$ mir	nutes. Incubation time for whole blood testing is limited to 5 min. maximum.		
	5. Observe macroscopically for a	agglutination and record results. Care should be taken not to mistake peripheral drying as		
	agglutination. Do not place sl	lides on or before a heated illuminated surface.		

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Instruction for use			
Use by professionals only Tests/ml: 25: with drop size 40µl when using separate			
volumetric pipettes		20/07 2010	
Revision: Product-Name:		29/07-2019 Product-Code:	
		Kell-mono-AEK4	
Anti-Kell			
AEK4			
		Kell-mono-MS56	
Anti-Kell			
INISSE Reagent for specific detection of the corresponding antigen. Bloodgroup testreagent for microplate- tube- slide- and plate- tests			
All described test methods are only valid for manual applications as recommended in this instruction. The user must determine their suitability for use in			
other techniques (automates, gel-cards, others) according to recognized techniques in individual responsibility.			
Unly for in-vitro diagnostic laboratory use. Store at + 2 - 8 °C when not in use.			
Advice to users:	On each test, positive and negative contro	I red cells have to be tested in parallel, Slight turbidity might not influence the performance	
	of the reagent. Do not freeze the test sera	and use sera only until the expiry date indicated on the label / package. Manual techniques	
	are performed according to the manufactu	urer advice. The use of the anti-sera in machines may require dilutions. The use of such	
	manipulated sera asks for re-validation un freezing of the sera for microplates. Do no	der the responsibility of the user. This is valid for all manipulations as for example the cold	
	AHG reagent.	t use monocional reagents with mouse antibodies in direct Anti-Human-Globulin tests with	
Limitations:	The use of the anti-sera in machines m	ay require dilutions. The use of such manipulated sera asks for re-validation under the	
	responsibility of the user. This is valid for a	all manipulations as for example the cold freezing of the sera for mikroplates. Falsely positive	
	or falsely negative test results can occur	from bacterial or chemical contamination of test materials, inadequate incubation time or	
	methods. Strength of the results is also	depending from the age of the blood-cells. Do not use monoclonal reagents with mouse	
	antibodies in direct Anti-Human-Globulin	tests with AHG-reagent. Do not freeze the sera and use sera only until the expiry date	
	indicated on the label / package. Care sho	build be exercised in the use and the disposal of the container and is contents. Bovine serum	
	albumin and the corresponding raw mater	ial were derived from bovine resources exclusively free of BSE.	
	are depending on straight appliance of the	be recommended test methods. Additional information about specific tests at the time of	
Product performance:	production respectively after the batch rel	ease can be obtained upon demand.	
Performance data:	The reagent fulfils the common technical specifications' requirements according to Annex II, List A der Directive 98/79/EC for in vitro		
	diagnostics. It has the same or a better per	rformance characteristics as comparable reagents in use. It was tested on more than 1000	
	Samples with sensitivity and specificity of 1	100%. Race R.R. Lancet 1946: 264-266	
Literature	<ul> <li>Levine P, Backer M, Ponder R. A new human hereditary blood property (Cellano) present in 99.8% of all bloods. Science</li> </ul>		
Literature:	1949; 109:464.		
	Brecher ME, ed. Technical ma	nual, 14 th ed. Bethesda MD: American Association of Blood Banks, 2002.	
	<ul> <li>Crawford MN, Gottman FE, Go 10:258</li> </ul>	ottmann CA, Microplate system for routine use in blood bank laboratories. Transfusion 1970;	