

Public Heath Institute Ostrava Center of clinical laboratories Testing laboratory n. 1554 accredited accorrding to ISO/IEC 17025 Partyzánské nám.7, 702 00 Ostrava VAT: CZ71009396 Laboratory for testing virucidal effect



TEST REPORT n. 8/2015/SVU

Virucidal quantitative suspension test for chemical desinfectants and antiseptics used in human medicine - Test method and requirements (phase 2/ step 1) – according DVV/RKI:2008

Customer:

SCHULKE CZ s.r.o. Lidická 326 735 95 Bohumín CZ Order number: Reference number:

not specified ZU/12019/2016

Identification of desinfectant - sample:

Product name:
Lot number:
Expiration:
Producer:
Storage conditions:
Diluent product recommended by the producer for use:
Product appearance:
The active substance(s) and its (their) concentration:

Purpose of product: Date of delivery of the product: Date of test: DESAM EFFEKT+ 017A160120 not specified Schulke CZ not specified domestic water clear liquid CAS 2372-82-9 CAS 7173-51-5 3,0% CAS 68424-85-1 19,0%

surface and instruments disinfection 25.4.2016 25.4. - 15.6.2016

Results - for details see annex:

According to DVV/RKI the test product DESAM EFFEKT+, lot.n. 017A160120, designed for surface and instruments disinfection, diluted by water to 0,5% reduced virus titre 4,0 \pm 0,000 lg after an exposure time 10 min, 15 min and 30 min, at temperature 20°C±1°C, with protein load (10% fetal bovine serum), using viral titration on monolayer cell culture on a microtitre plate by reduction of reference virus *Vaccinia virus*, strain Elstree, i.e.demonstrate virucidal activity for *Vaccinia virus* by more than 4 lg.

According to DVV/RKI the test product DESAM EFFEKT+, lot.n. 017A160120, designed for surface and instruments disinfection, diluted by water to 0,25% reduced virus titre 4,0 \pm 0,000 lg after an exposure time 30 min, at temperature 20°C±1°C, with protein load (10% fetal bovine serum), using viral titration on monolayer cell culture on a microtitre plate by reduction of reference virus *Vaccinia virus, strain Elstree*, **i.e.demonstrate virucidal activity for** *Vaccinia virus* by more than 4 lg.

According to DVV/RKI the test product DESAM EFFEKT+, lot.n. 017A160120, designed for surface and instruments disinfection, diluted by water to 0,5% reduced virus titre 4,0 ± 0,000 lg after an exposure time 10 min, 15 min and 30 min, at temperature 20°C±1°C, with protein load (10% fetal bovine serum), using viral titration on monolayer cell culture on a microtitre plate by reduction of reference virus *Bovine viral diarrhea virus, strain NADL*, i.e.demonstrate virucidal activity for *BVDV* by more than 4 lg.

According to DVV/RKI the test product DESAM EFFEKT+, lot.n. 017A160120, designed for surface and instruments disinfection, diluted by water to 0,25% <u>reduced virus titre 4,0 \pm 0,000 ig after an exposure time 30 min</u>, at temperature 20°C±1°C, <u>with protein load</u> (10% fetal bovine serum), using viral titration on monolayer cell culture on a microtitre plate by reduction of reference virus *Bovine viral diarrhea virus, strain NADL*, **i.e.demonstrate virucidal activity for BVDV by more than 4 lg.**

Conclusion and interpretation:

According to DVV/RKI the test product DESAM EFFEKT+, lot.n. lot.n. 017A160120 diluted by water to 0,5% <u>demonstrate limited virucidal activity to enveloped viruses</u> under the <u>conditions with protein load</u> after <u>exposure time</u> <u>10 min</u>.

According to DVV/RKI the test product DESAM EFFEKT+, lot.n. lot.n. 017A160120 diluted by water to 0,25% demonstrate limited virucidal activity to enveloped viruses under the conditions with protein load after exposure time 30 min.

In Ostrava, 20.6.2016 Zdravotní ústav se sídlem v Ostravě

Partyzánské nám. 7, 702 00 Ostrava

IC: 71009398

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Mgr. Ludmila Porubová Guarantor of testing

Annex to the protocol n.: 8/2016/SVU

Identification of product: Product name: Lot number: Expiratin: Producer: Date of delivery of product Storage conditions: Diluent: Product appearance: The active compound(s) and its (their) concentration:	DESAM EFFEKT+ 017A160120 not specified Schulke CZ s.r.o. 25.4.2016 not specified domestic water clear liquid CAS 2372-82-9 7,2% CAS 7173-51-5 3,0% CAS 68424-85-1 19,0% CAS 122-99-6 10,0%
Experimental conditions:	Quantitative suspension test for the determine of virucidal effect of disinfectant according DVV/RKI (SOP n. 1901)
Date of testing:	25.4 15.6.2016
Diluent:	hard water
Testing concentration:	0,25%; 0,5%
Appearance of dilution	clear solution
of the product:	
Contact times:	0,5% - 10 min, 15 min, 30 min
	0,25% - 30 min
Testing temperature:	20°C±1°C
Interfering substance:	with protein load – 10% fetal bovine serum (FBS)
Stability of mixture during testing	after mixing precipitate was formed
Incubation temperature:	37°C±1°C
Method of filtration:	MicroSpin
Test virus:	Vaccinia virus, strain Elstree (ATCC) 5.passage, EMEM + 2% FBS
	Bovine viral diarrhea virus, strain NADL(ATCC), 4. passage,DMEM + 2% FBS
Proces to stop action of product:	virucidal activity of product is suppressed by transferring the sample into the ice cold diluent
Cell line:	Vero (ATCC), 30. to 36.passagež, 6.passage, DMEM + 10% FBS
	KOP-R (FLI), 49. to 53. passage, 27.passage, EMEM + 10% FBS
Titration method:	viral titration on monolayer cell culture on the microplates
Reference substance:	Formaldehyde (Sigma-Aldrich, č.š. SZBC2290V)
Titers calcullated by:	Spaerman – Kärber's method

Test detail:

1. Preparation of tissue culture testing

2. Preparation of the test virus suspension

3. Test infectivity of the virus

4. Titration of the virus with the conditions

5. The cytotoxic effect of the product

6. Reference viral inactivation test

7. Viral inactivacion test of product

8. Control of susceptibility

Table n.1 The results and validation of the test for product DESAM EFFEKT+ to Vaccinia virus, strain Elstree – 1.test

Product	Concentration	Interfering	Level of		og 10 TCI	D50/ ml	log 10 TCID50/ ml after min	Ē		R. (Alog ₁₀ T	Reduction factor (Alog ₁₀ TCID ₅₀ / ml after min)	tor ter min)	
			Among	ŝ	10	15	30	60	5 In	10	15	30	60
DESAM EFFEKT+	0,5%	10% FBS	4,5	n.d.	≥4,5± 0.000	≥4,5±	≥4,5±	n.d.	n.d.	3,0±0.000	3.0 + 0.000	0000+05) T
DESAM EFFEKT++ Microspin	0,5%	10% FBS	3,5	n.d.	23,5± 0,000	23,5 ± 0,000	23,5 ± 0.000	n.ď.	n.d.	4,0 ± 0,000	4,0±0,000	4,0 ± 0,000	n .d.
DESAM EFFEKT+	0,25%	10% FBS	4,5	n.d.	n.d.	n.d.	≥4,5±	n.d.	n.d.	n.d.	p.u	3.0+0.000	7
DESAM EFFEKT++ Microspin	0,25%	10% FBS	3,5	n.d.	n.d.	n.d.	23,5 ± 0,000	n.d.	n.d.	n.d.	n.d.	4,0±0,000	
Formaldehyde + Microspin	0,7% (m/V)	PBS	3,5	4,3± 0.151	n.ď.	4,1± 0,230	≥3,5±	23,5±	3,2±0,302	n,d.	3,4± 0,114	4.0 ± 0.000	40+0000
Virus control	n.a.	10% FBS	n.a.	7,5±	n.d.	n.d.	p.n.	n.d.					
Virus control + Microspin	п.а.	10% FBS	п.а.	7,5 ±	n.d.	n.d.	n.d.	7,5 ± 0.000					
Susceptibility of cells - PBS	n.a.	10% FBS	n.a.	n.d.	n.d.	n.d.	n.d.	7,5 ± 0.000					
Susceptibility of cells – DESAM EFFEKT+	0,00025%	10% FBS	D.a.	n.d.	ŋ.n	n.d.	n.d.	7,1± 0,185					

Prepared by: Mgr. Ludmila Porubová

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Table n.2 The results and validation of the test for product DESAM EFFEKT+ to Vaccinia virus, strain Elstree – 2.test

Product	Concentration	Interfering substance	Level of cvtotoxicity		log 10 TCID50/ ml after min	D50/ ml	after m	E		R (Alog ₁₀ T	Reduction factor (Alog ₁₀ TCID ₅₀ / ml after min)	tor ter min)	
			lannun la	ŝ	10	15	30	60	5	10	11	30	69
DESAM EFFEKT+	0,5%	10% FBS	4,5	n.d.	≥4,5±	24,5±	≥4,5±	n.d.	, pe	0000+01			8
DESAM EFFEKT++	O FeV					1000	0,000			000'0 = 0'0		3,0 ± 0,000	n.d.
Microspin	%c'n	10% FBS	3,5	n.d.	0,000	F n'()	T C'S>	n.d.	n.d.	4,0±0,000	4,0±0,000	4,0±0,000	n.d.
DESAM EFFEKT+	0,25%	10% FBS	4,5	n.d.	n.d.	n.d.	≥4,5 ±	n.d.	, p.u	2	2		-
DFSAM FFEFKT1-							0,000						<u>п.а</u>
Microspin	0,25%	10% FBS	3,5	.p.u	n.d.	n.d.	≥3,5 ± 0,000	n.d.	n.d.	n.d.	.b.n	4,0±0,000	n.d.
Formaldenyde + Microspin	0,7% (m/V)	PBS	3,5	4,5± 0.000	.p.u	4,1± 0185	≥3,5±	≥3,5±	3,0±0,000	n.d.	3.4± 0.069	4.0+0.000	4.0+0.000
Virus control	n.a.	10% FBS	n.a.	7,5±	n.d.	n.d.	p.u						000/0 - 0/1
				000'0									
Virus control + Microspin	n.a.	10% FBS	n.a.	7,5 ± 0,000	n.d.	n.d.	n.d.	7,5±					
Susceptibility of cells - PBS	n.a.	10% FBS	u.a.		T S	2	т 5	7,3±					
Cliccontibility of colle						-1241	·n	0,151					
DESAM EFFEKT+	0,00025%	10% FBS	n.a.	n.d.	n.d.	n.d.	n.d.	7,3± 0.151					

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Table n.3 The results and validation of the test for product DESAM EFFEKT+ to BVDV, strain NADL - 1.test

					VUV, 510	UPN NID	LITENT TO DVDV, STRAIN NADL - 1.test						
Product	Concentration	Interfering	Level of		log 10 TCI	DSO/ ml	log 10 TCIDS0/ ml after min	. <u>e</u>		8	Reduction factor	tor	
		substance	cytotoxicity							(Δlog10	(Alog10 ICID50/ ml after min)	ter min)	
				Ś	9	15	30	60	ŝ	10	15	30	9
DESAM EFFEKT+	0,5%	10% FBS	3.5	-p-u	≥3,5±	≥3,5±	≥3,5 ±		.		2	3	20
DESAM FFFKT++					000	0,000	0,000	n.a.	n.d.	3,0±0,000	3,0±0,000	3,0±0,000	n.d.
Microspin	0,5%	10% FBS	2,5	.p.u	≥2,5± 0.000	≥2,5± 0.000	22,5±	n.d.	n.d.	4,0±0,000	4.0 ± 0.000	40+0000	
DFSAM FFEEKTA	0 2 1 0												
PLONIN LI I LNI T	%c7/0	10% FBS	3,5	n.d.	n.d.	n.d.	23,5±	n.d.	Ţ	Ţ	1		
DESAM EFFEKT++							0,000				n.a.	3,0 ± 0,000	n.d.
Microspin	0,25%	10% FBS	2,5	n.d.	n.d.	n.d.	≥2,5± 0.000	п.d.	n.d.	п.d.	n.d.	4.0+0.000	7
							222						
Formaidenyde + Microspin	0,7% (m/V)	PBS	3,5	3,9± 0185 -	n.d.	3,7±	≥3,5±	≥3,5±	2.6±0.370	2	3 04 0 045	201000	
Viene and V				31		TCT'N	nnn'n	0,000				000'0 I 0'0	3,0 ± 0,000
VIrus control	n.a.	10% FBS	n.a.	6,5± 0,000	n.d.	n.d.	n.d.	n.d.					
Virus control + Microspin	n.a.	10% FBS	п.а.	6,5± 0.000	n.d.	n.d.	n.d.	6,5 ±					
Susceptibility of cells - PBS	e u	10% FRS	2					0,000 6 5 4					
Suscentibility of colle		601827		n.a.	n.d.	.p.u	n.d.	0,000					
DESAM EFFEKT+	0,00025%	10% FBS	n.a.	n.d.	n.d.	n.d.	n.d.	6,5± 0,000					

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Table n.4 The results and validation of the test for product DESAM EFFEKT+ to BVDV, strain NADL – 2.test

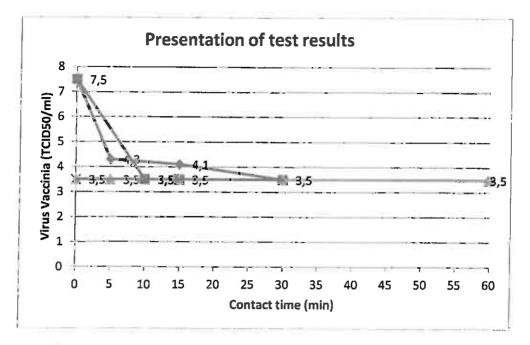
Product	Concentration	Interfering	Level of		log 10 TCID50/ ml after min	D50/ ml a	after m			N N	Reduction factor	tor	
		substance	cytotoxicity							10120121	Augio LUUso/ mi atter min)	er min)	
				2	9	15	30	60	S	10	15	30	60
DESAM EFFEKT+	0,5%	10% FBS	3,5	n.d.	23,5±	23,5±	23,5 ±	n.d.	n.d.	3.0±0.000	3.0 + 0.000	3.0+0.000	2
DESAM EFFEKT++	0.5%	10% EBC	1		2,5±	22,5±	2.5±						
Microspin	2256		c'7		0,000	0,000	0,000	.p.n	n.d.	4,0±0,000	4,0±0,000	4,0±0,000	n.d.
DESAM EFFEKT+	0,25%	10% FBS	3,5	n.d.	n.d.	n.d.	≥3,5± 0.000	.p.u	n.d.	n.d.	, p.u	3.0+0.000	5
DESAM EFFEKT++							2000/2						
Microspin	0,25%	10% FBS	2,5	n.d.	n.d.	n.d.	≥2,5 ± 0.000	.p.n	n.ď.	n.ď.	n.d.	4,0±0,000	n.d.
Formaldehyde + Microspin	0,7% (m/V)	PBS	3,5	3,9± 0.185	n.d.	3,5± 0151	23,5±	23,5±	2,6±0,370	n.d.	3,0 ± 0,046	3.0±0.000	3.0±0.000
Virus control	a u	10% EBC		6,5±			2000'0	30,2					
		CU 1 1/07	.p.11	0,000	n.a.	n.d.	n.d.	n.d.					
Virus control + Microspin	п.а.	10% FBS	n.a.	6,5± 0,000	n.d.	.p.u	n.d.	6,5±					
Susceptibility of cells - PBS	n.a.	10% FBS	n.a.	n.d.	n.d.	n.d.	n.d.	6,3±					
Susceptibility of cells – DESAM EFFEKT+	0,00025%	10% FBS	n.a.	n.d.	n.d.	n.d.	n.d.	6,1± 0,185					

Prepared by: Mgr. Ludmila Porubová

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Figure 1: Graphic presentation of results of the test for product DESAM EFFEKT+ to Vaccinia virus, strain Elstree,– 1.test



Key: Inactivation of virus BVDV by formaldehyde 0,7%, Inactivation of virus BVDV by Desam effekt+ 0,5%, Cytotoxicity of formadlehyde 0,7%, Cytotoxicity of Desam effekt+ 0,5%

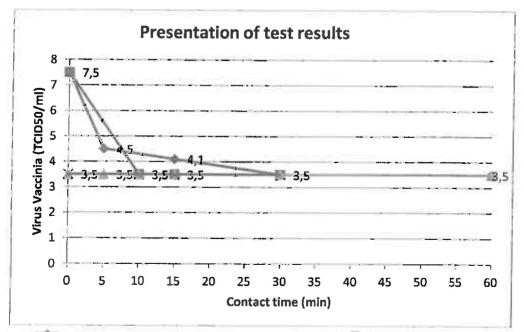
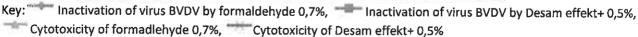


Figure 2: Graphic presentation of results of the test for product DESAM EFFEKT+ to Vaccinia virus, strain Elstree – 2.test



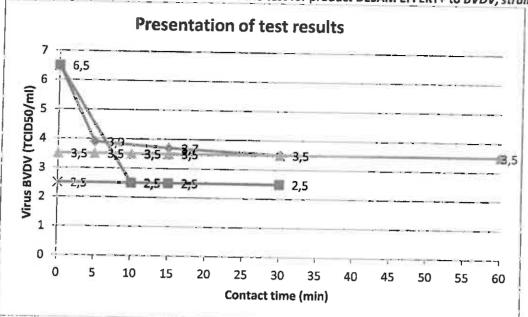


Figure 3: Graphic presentation of results of the test for product DESAM EFFEKT+ to BVDV, strain NADL - 1.test

Key: Inactivation of virus Vaccinia by formaldehyde 0,7%, Inactivation of virus Vaccinia by Desam effekt+ 0,5%, Cytotoxicity of formadlehyde 0,7%, Cytotoxicity of Desam effekt+ 0,5%

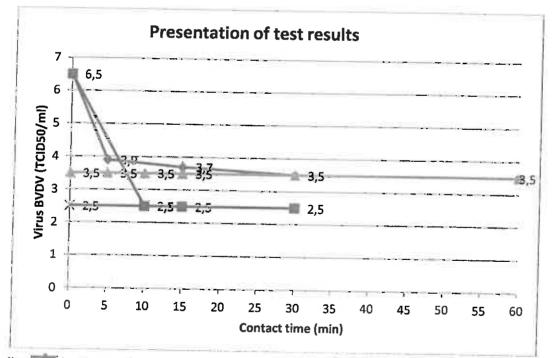


Figure 4: Graphic presentation of results of the test for product DESAM EFFEKT+ to BVDV, strain NADL – 2.test

Key: Inactivation of virus Vaccinia by formaldehyde 0,7%, Inactivation of virus Vaccinia by Desam effekt+ 0,5%, Cytotoxicity of Desam effekt+ 0,5%

Product	Concentration	Interfering	Contact				Dilution	(log 10))		
FIGURE	Concentration	substance	time	-1	-2	-3	-4	-5	-6	-7	-8
Desam effekt+	0,5%	10% FBS	10 min	СТ	СТ	ст	00000	00000	00000	00000	0000
Desam effekt∻ + MicroSpin	0,5%	10% FBS	10 min	ст	ст	00000	00000	00000	00000	00000	00000
Desam effekt+	0,5%	10% FBS	15 min	ст	ст	СТ	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,5%	10% FBS	15 min	ст	ст	00000	00000	00000	00000	00000	00000
Desam effekt+	0,5%	10% FBS	30 min	ст	ст	ст	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,5%	10% FBS	30 min	ст	ст	00000	00000	00000	00000	00000	00000
Desam effekt+	0,25%	10% FBS	30 min	Ст	ст	ст	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	10% FBS	30 min	ст	ст	00000	00000	00000	00000	00000	00000
Cytotoxicity DESAM EFFEKT+	0,5%	10% FBS	n.a.	ст	СТ	ст	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFFEKT+ + Microspin	0,5%	10% FBS	n.a.	ст	ст	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFFEKT+	0,25%	10% FBS	n.a.	ст	ст	ст	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFFEKT+ + Microspin	0,25%	10% FBS	n.a.	ст	СТ	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicita Formaldehyd + MicroSpin	0,7% (m/V)	PBS	n.a.	ст	ст	00000	00000	n.a.	n.a.	n.a.	n.a.
			5 min	ст	ст	03323	00000	00000	00000	00000	00000
Formaldehyde + Microspin	0,7% (m/V)	PBS	15 min	Ст	Ст	02030	00000	00000	00000	00000	00000
ronneidenyde r iwiciospin		FDJ	30 min	ст	ст	00000	00000	00000	00000	00000	00000
1.1.1.1.1.1.1			60 min	ст	ст	00000	00000	00000	00000	00000	00000
Susceptibility of cells - PBS	n.a.	10% FBS	60 min	44444	44444	44444	44444	44444	32332	00000	00000
Susceptibility of cells - DESAM EFFEKT+	0,00005%	10% FBS	60 min	44444	44444	44444	44444	44444	33200	00000	00000
/irus control	n.a.	10% FBS	10 min	44444	44444	44444	44444	44444	33323	00000	00000
/irus control + Microspin	n.a.	10% FBS	10 min	44444	44444	44444	44444	44444	23322	00000	00000
virus control + Microspin	n.a.	10% FBS	60 min	44444	44444	44444	44444	44444	32313	00000	00000

Table n.5: Raw date of test for product DESAM EFFEKT+ to Vaccinia virus, strain Elstree - 1.test

1 to 4 virus detectable (1 = 25% CPE, 4 = 100% CPE) 0 no virus/ no cytotoxicity n.a. not applicable n.d. not done CT Cytotoxicologic effect CPE Cytopathogenic effect

Prepared by: Mgr. Ludmila Porubová

Product	Concentration	Interfering	Contact			1	Dilution	(log 10))		
Froduct	Concentration	substance	time	-1	-2	-3	-4	-5	-6	-7	-8
Desam effekt+	0,5%	10% FBS	10 min	ст	ст	СТ	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,5%	10% FBS	10 min	ст	ст	00000	00000	00000	00000	00000	00000
Desam effekt+	0,5%	10% FBS	15 min	ст	ст	ст	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,5%	10% FBS	15 min	Ст	ст	00000	00000	00000	00000	00000	00000
Desam effekt+	0,5%	10% FBS	30 min	ст	Ст	ст	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,5%	10% FBS	30 min	ст	ст	00000	00000	00000	00000	00000	00000
Desam effekt+	0,25%	10% FBS	30 min	ст	СТ	СТ	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	10% FBS	30 min	ст	ст	00000	00000	00000	00000	00000	00000
Cytotoxicity DESAM EFFEKT+	0,5%	10% FBS	n.a.	ст	СТ	СТ	00000	n.a.	n.a.	n.a.	п.а.
Cytotoxicity DESAM EFFEKT+ + Microspin	0,5%	10% FBS	n.a.	ст	ст	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFFEKT+	0,25%	10% FBS	n.a.	ст	ст	ст	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFFEKT + + Microspin	0,25%	10% FBS	n.a.	СТ	ст	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicita Formaldehyd + MicroSpin	0,7% (m/V)	PBS	n.a.	ст	ст	00000	00000	n.a.	n.a.	n.a.	n.a.
			5 min	СТ	ст	23223	00000	00000	00000	00000	00000
Formaldehyde + Microspin	0,7% (m/V)	PBS	15 min	ст	ст	33200	00000	00000	00000	00000	00000
ormaldenyde i wilc.ospin		603	30 min	ст	ст	00000	00000	00000	00000	00000	00000
the last of the second			60 min	ст	Ст	00000	00000	00000	00000	00000	00000
Susceptibility of cells - PBS	n.a.	10% FBS	60 min	44444	44444	44444	44444	44444	33320	00000	00000
Susceptibility of cells - DESAM EFFEKT+	0,00005%	10% FBS	60 min	44444	44444	44444	44444	4 4444	22220	00000	00000
Virus control	n.a.	10% FBS	10 min	44444	44444	44444	44444	44444	23222	00000	00000
Virus control + Microspin	n.a.	10% FBS	10 min	44444	44444	44444	44444	44444	33333	00000	00000
virus control + Microspin	n.a.	10% FBS	60 min	44444	44444	44444	44444	44444	33333	00000	00000

1 to 4 virus detectable (1 = 25% CPE, 4 = 100% CPE) 0 no virus/ no cytotoxicity n.a. not applicable n.d. not done CT Cytotoxicologic effect CPE Cytopathogenic effect

Prepared by: Mgr. Ludmila Porubová

Product	Concentration	Interfering	Contact			I	Dilution	(log 10)		
Product	Concentration	substance	time	-1	-2	-3	-4	-5	-6	-7	-8
Desam effekt+	0,5%	10% FBS	10 min	СТ	ст	00000	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,5%	10% FBS	10 min	ст	00000	00000	00000	00000	00000	00000	00000
Desam effekt+	0,5%	10% FBS	15 min	СТ	ст	00000	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,5%	10% FBS	15 min	ст	00000	00000	00000	00000	00000	00000	00000
Desam effekt+	0,5%	10% FBS	30 min	ст	ст	00000	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,5%	10% FBS	30 min	ст	00000	00000	00000	00000	00000	00000	00000
Desam effekt+	0,25%	10% FBS	30 min	ст	ст	00000	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	10% FBS	30 min	ст	00000	00000	00000	00000	00000	00000	00000
Cytotoxicity DESAM EFFEKT+	0,5%	10% FBS	n.a.	ст	ст	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFFEKT+ + Microspin	0,5%	10% F8S	n.a.	ст	00000	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFFEKT+	0,25%	10% FBS	n.a.	ст	ст	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFFEKT+ + Microspin	0,25%	10% FBS	n.a.	ст	00000	00000	00000	n.a.	n.a.	n.a.	п.а.
Cytotoxicita Formaldehyd + MicroSpin	0,7% (m/V)	PBS	n.a.	ст	ст	00000	00000	n.a.	n.a.	n.a.	n.a.
			5 min	ст	ст	02200	00000	00000	00000	00000	00000
Fernandelahuda i Mérupanta	0,7% (m/V)	222	15 min	ст	ст	20000	00000	00000	00000	00000	00000
Formaldehyde + Microspin		PBS	30 min	ст	ст	00000	00000	00000	00000	00000	00000
			60 min	ст	ст	00000	00000	00000	00000	00000	00000
Susceptibility of cells - PBS	n.a.	10% FBS	60 min	44444	44444	44444	44444	43334	00000	00000	00000
Susceptibility of cells - DESAM EFFEKT+	0,00005%	10% FBS	60 min	44444	44444	44444	44444	44444	00000	00000	00000
Virus control	n.a.	10% FBS	10 min	44444	44444	44444	44444	33334	00000	00000	00000
/irus control + Microspin	n.a.	10% FBS	10 min	44444	44444	44444	44444	33334	00000	00000	00000
/irus control + Microspin	n.a.	10% FBS	60 min	44444	44444	44444	44444	44433	00000	00000	00000

1 to 4 virus detectable (1 = 25% CPE, 4 = 100% CPE) 0 no virus/ no cytotoxicity n.a. not applicable n.d. not done CT Cytotoxicologic effect CPE Cytopathogenic effect

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Product	Concentration	Interfering substance	Contact time		Dilution (log 10)							
				-1	-2	-3	-4	-5	-6	-7	-8	
Desam effekt+	0,5%	10% FBS	10 min	ст	ст	00000	00000	00000	00000	00000	00000	
Desam effekt+ + MicroSpin	0,5%	10% FBS	10 min	ст	00000	00000	00000	00000	00000	00000	00000	
Desam effekt+	0,5%	10% FBS	15 min	ст	ст	00000	00000	00000	00000	00000	00000	
Desam eifekt+ + MicroSpin	0,5%	10% FBS	15 min	СТ	00000	00000	00000	00000	00000	00000	00000	
Desam effekt+	0,5%	10% FBS	30 min	ст	ст	00000	00000	00000	00000	00000	00000	
Desam effekt+ + MicroSpin	0,5%	10% FBS	30 min	ст	00000	00000	00000	00000	00000	00000	00000	
Desam effekt+	0,25%	10% FBS	30 min	ст	СТ	00000	00000	00000	00000	00000	00000	
Desam effekt+ + MicroSpin	0,25%	10% FBS	30 min	ст	00000	00000	00000	00000	00000	00000	00000	
Cytotoxicity DESAM EFFEKT+	0,5%	10% FBS	n.a.	СТ	ст	00000	00000	n.a.	n.a.	n.a.	n.a.	
Cytotoxicity DESAM EFFEKT+ + Microspin	0,5%	10% FBS	n.a.	ст	00000	00000	00000	n.a.	n.a.	n.a.	n.a.	
Cytotoxicity DESAM EFFEKT+	0,25%	10% FBS	n.a.	ст	ст	00000	00000	n.a.	n.a.	n.a.	n.a.	
Cytotoxicity DESAM EFFEKT+ + Microspin	0,25%	10% FBS	n.a.	ст	00000	00000	00000	n.a.	n.a.	n.a.	n.a.	
Cytotoxicita Formaldehyd + MicroSpin	0,7% (m/V)	PBS	n.a.	ст	ст	00000	00000	n.a.	n.a.	n.a.	n.a.	
Formaldehyde + Microspin	0,7% (m/V)	PBS	5 min	ст	ст	03200	00000	00000	00000	00000	00000	
			15 min	ст	ст	00000	00000	00000	00000	00000	00000	
			30 min	ст	ст	00000	00000	00000	00000	00000	00000	
			60 min	ст	ст	00000	00000	00000	00000	00000	00000	
Susceptibility of cells - PBS	n.a.	10% FBS	60 min	44444	44444	44444	44444	44403	00000	00000	00000	
Susceptibility of cells - DESAM EFFEKT+	0,00005%	10% FBS	60 min	44444	44444	44444	44444	33040	00000	00000	00000	
Virus control	n.a.	10% FBS	10 min	44444	44444	44444	44444	33334	00000	00000	00000	
Virus control + Microspin	n.a.	10% FBS	10 min	44444	44444	44444	44444	33334	00000	00000	00000	
virus control + Microspin	n.a.	10% FBS	60 min	44444	44444	44444	44444	44433	00000	00000	00000	

1 to 4 virus detectable (1 = 25% CPE, 4 = 100% CPE) 0 no virus/ no cytotoxicity n.a. not applicable n.d. not done CT Cytotoxicologic effect CPE Cytopathogenic effect

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