



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



L 1554

TEST REPORT n. 6/2015/SVU

Virucidal quantitative suspension test for chemical disinfectants 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:

not specified

Reference number:

ZU/07047/2016

Identification of disinfectant – sample:

Product name:

DESAM EFFEKT+

Lot number:

017A160120

Expiration:

not specified

Producer:

Schulke CZ

Storage conditions:

not specified

Diluent product recommended by the producer for use:

domestic water

Product appearance:

clear liquid

The active substance(s) and its (their) concentration:

CAS 2372-82-9 7,2%

CAS 7173-51-5 3,0%

CAS 68424-85-1 19,0%

CAS 122-99-6 10,0%

Purpose of product:

surface and instruments disinfection

Date of delivery of the product:

14.3.2016

Date of test:

22.3. - 5.5.2016

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 0,25% reduced virus titre $4,0 \pm 0,000$ lg after an exposure time 5 min, 15 min and 30 min, at temperature $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$, without protein load (distilled water), 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 $4,0 \pm 0,151$ lg after an exposure time 5 min, 15 min and 30 min, at temperature $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$, without protein load (distilled water), 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 0,25% demonstrate limited virucidal activity to enveloped viruses under the conditions without protein load after exposure time 5 min.

In Ostrava, 6.5.2016

Léčebná ústava se sídlem v Ostravě
Partyzánské nám. 7, 702 00 Ostrava
IČ: 71993396 7

Mgr. Ludmila Porubová

Guarantor of testing

Annex to the protocol n.: 6/2016/SVU

Identification of product:

Product name:	DESAM EFFEKT+
Lot number:	017A160120
Expiratin:	not specified
Producer:	Schulke CZ s.r.o.
Date of delivery of product	14.3.2016
Storage conditions:	not specified
Diluent:	domestic water
Product appearance:	clear liquid
The active compound(s) and its (their) concentration:	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:	22.3. – 5.5.2016
Diluent:	hard water
Testing concentration:	0,25%
Appearance of dilution of the product:	clear solution
Contact times:	5 min, 15 min, 30 min
Testing temperature:	20°C±1°C
Interfering substance:	without protein load – distilled water
Stability of mixture during testing:	stable
Incubation temperature:	37°C±1°C
Method of filtration:	MicroSpin
Test virus:	<i>Vaccinia virus, strain Elstree</i> (ATCC) 5.passage, EMEM + 2% FBS <i>Bovine viral diarrhea virus, strain NADL</i> (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), 23. to 28.pasáž, DMEM + 10% FBS KOP-R (FLI), 44. to 50. 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 inactivation test of product
8. Control of susceptibility

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

Product	Concentration	Interfering substance	Level of cytotoxicity	log 10 TCID ₅₀ / ml after ... min					Reduction factor ($\Delta\log_{10}$ TCID ₅₀ / ml after ... min)			
				1	5	15	30	60	5	15	30	60
DESAM EFEKT+	0,25%	distilled water	4,5	n.d.	$\geq 4,5 \pm 0,000$	$\geq 4,5 \pm 0,000$	$\geq 4,5 \pm 0,000$	n.d.	$3,0 \pm 0,000$	$3,0 \pm 0,000$	$3,0 \pm 0,000$	n.d.
DESAM EFEKT++ Microspin	0,25%	distilled water	3,5	n.d.	$\geq 3,5 \pm 0,000$	$\geq 3,5 \pm 0,000$	$\geq 3,5 \pm 0,000$	n.d.	$4,0 \pm 0,000$	$4,0 \pm 0,000$	$4,0 \pm 0,000$	n.d.
Formaldehyde	0,7% (m/V)	PBS	3,5	n.d.	$\geq 3,5 \pm 0,000$	$\geq 3,5 \pm 0,000$	$\geq 3,5 \pm 0,000$	$\geq 3,5 \pm 0,000$	$4,0 \pm 0,000$	$4,0 \pm 0,000$	$4,0 \pm 0,000$	$4,0 \pm 0,000$
Virus control	n.a.	distilled water	n.a.	n.d.	$7,5 \pm 0,000$	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Virus control + Microspin	n.a.	distilled water	n.a.	n.d.	$7,5 \pm 0,000$	n.d.	n.d.	$7,5 \pm 0,000$	n.d.	n.d.	$7,5 \pm 0,000$	$7,5 \pm 0,000$
Susceptibility of cells - PBS	n.a.	distilled water	n.a.	n.d.	n.d.	n.d.	n.d.	$7,5 \pm 0,000$	n.d.	n.d.	$7,5 \pm 0,000$	$7,5 \pm 0,000$
Susceptibility of cells – DESAM EFEKT+	0,00025%	distilled water	n.a.	n.d.	n.d.	n.d.	n.d.	$7,5 \pm 0,000$	n.d.	n.d.	$7,5 \pm 0,000$	$7,5 \pm 0,000$

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

Product	Concentration	Interfering substance	Level of cytotoxicity	log 10 TCID ₅₀ / ml after ... min					Reduction factor ($\Delta\log_{10}$ TCID ₅₀ / ml after ... min)			
				1	5	15	30	60	5	15	30	60
DESAM EFEKT+	0,25%	distilled water	4,5	n.d.	$\geq 4,5 \pm 0,000$	$\geq 4,5 \pm 0,000$	$\geq 4,5 \pm 0,000$	n.d.	$3,0 \pm 0,000$	$3,0 \pm 0,000$	$3,0 \pm 0,000$	n.d.
DESAM EFEKT++ Microspin	0,25%	distilled water	3,5	n.d.	$\geq 3,5 \pm 0,000$	$\geq 3,5 \pm 0,000$	$\geq 3,5 \pm 0,000$	n.d.	$4,0 \pm 0,000$	$4,0 \pm 0,000$	$4,0 \pm 0,000$	n.d.
Formaldehyde	0,7% (m/V)	PBS	3,5	n.d.	$\geq 3,5 \pm 0,000$	$\geq 3,5 \pm 0,000$	$\geq 3,5 \pm 0,000$	$\geq 3,5 \pm 0,000$	$4,0 \pm 0,000$	$4,0 \pm 0,000$	$4,0 \pm 0,000$	$4,0 \pm 0,000$
Virus control	n.a.	distilled water	n.a.	n.d.	$7,5 \pm 0,000$	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Virus control + Microspin	n.a.	distilled water	n.a.	n.d.	$7,5 \pm 0,000$	n.d.	n.d.	$7,5 \pm 0,000$	n.d.	n.d.	$7,5 \pm 0,000$	$7,5 \pm 0,000$
Susceptibility of cells - PBS	n.a.	distilled water	n.a.	n.d.	n.d.	n.d.	n.d.	$7,1 \pm 0,185$	n.d.	n.d.	$7,1 \pm 0,185$	$7,1 \pm 0,185$
Susceptibility of cells – DESAM EFEKT+	0,00025%	distilled water	n.a.	n.d.	n.d.	n.d.	n.d.	$7,3 \pm 0,151$	n.d.	n.d.	$7,3 \pm 0,151$	$7,3 \pm 0,151$

Prepared by: Mgr. Ludmila Porubová

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

Product	Concentration	Interfering substance	Level of cytotoxicity	log 10 TCID ₅₀ / ml after ... min					Reduction factor (Δlog ₁₀ TCID ₅₀ / ml after ... min)			
				1	5	15	30	60	5	15	30	60
DESAM EFJEKT+	0,25%	distilled water	3,5	n.d.	≥3,5 ± 0,000	≥3,5 ± 0,000	≥3,5 ± 0,000	n.d.	3,0 ± 0,000	3,0 ± 0,000	3,0 ± 0,000	n.d.
DESAM EFJEKT++ Microspin	0,25%	distilled water	2,5	n.d.	≥2,5 ± 0,000	≥2,5 ± 0,000	≥2,5 ± 0,000	n.d.	4,2 ± 0,302	4,2 ± 0,302	4,2 ± 0,302	n.d.
Formaldehyde	0,7% (m/V)	PBS	3,5	n.d.	≥3,5 ± 0,000	≥3,5 ± 0,000	≥3,5 ± 0,000	≥3,5 ± 0,000	3,2 ± 0,302	3,2 ± 0,302	3,0 ± 0,000	3,0 ± 0,000
Virus control	n.a.	distilled water	n.a.	n.d.	6,5 ± 0,151	n.d.	n.d.	n.d.				
Virus control + Microspin	n.a.	distilled water	n.a.	n.d.	6,7 ± 0,000	n.d.	n.d.	6,5 ± 0,000				
Susceptibility of cells - PBS	n.a.	distilled water	n.a.	n.d.	n.d.	n.d.	n.d.	6,1 ± 0,185				
Susceptibility of cells – DESAM EFJEKT+	0,00025%	distilled water	n.a.	n.d.	n.d.	n.d.	n.d.	6,1 ± 0,185				

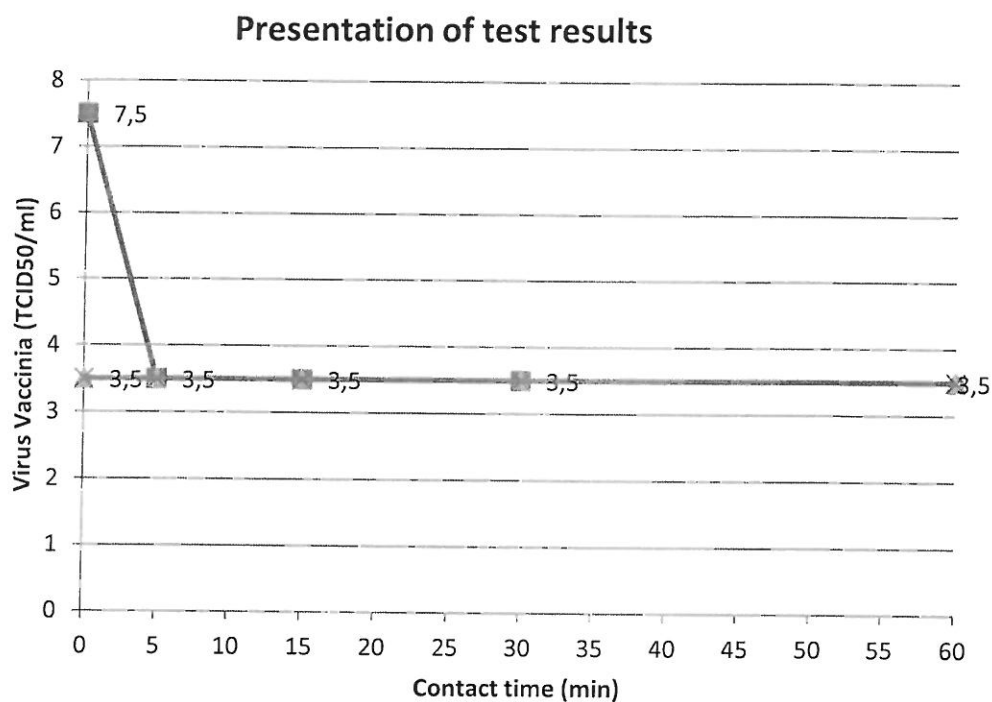
Table n.4 The results and validation of the test for product DESAM EFJEKT+ to BVDV, strain NADL – 2.test

Product	Concentration	Interfering substance	Level of cytotoxicity	log 10 TCID ₅₀ / ml after ... min					Reduction factor (Δlog ₁₀ TCID ₅₀ / ml after ... min)			
				1	5	15	30	60	5	15	30	60
DESAM EFJEKT+	0,25%	distilled water	3,5	n.d.	≥3,5 ± 0,000	≥3,5 ± 0,000	≥3,5 ± 0,000	n.d.	3,0 ± 0,000	3,0 ± 0,000	3,0 ± 0,000	n.d.
DESAM EFJEKT++ Microspin	0,25%	distilled water	2,5	n.d.	≥2,5 ± 0,000	≥2,5 ± 0,000	≥2,5 ± 0,000	n.d.	4,2 ± 0,302	4,2 ± 0,302	4,2 ± 0,302	n.d.
Formaldehyde	0,7% (m/V)	PBS	3,5	n.d.	≥3,7 ± 0,000	≥3,5 ± 0,000	≥3,5 ± 0,000	≥3,5 ± 0,000	2,8 ± 0,302	3,0 ± 0,000	3,0 ± 0,000	3,0 ± 0,000
Virus control	n.a.	distilled water	n.a.	n.d.	6,5 ± 0,000	n.d.	n.d.	n.d.				
Virus control + Microspin	n.a.	distilled water	n.a.	n.d.	6,5 ± 0,000	n.d.	n.d.	6,5 ± 0,000				
Susceptibility of cells - PBS	n.a.	distilled water	n.a.	n.d.	n.d.	n.d.	n.d.	6,5 ± 0,000				
Susceptibility of cells – DESAM EFJEKT+	0,00025%	distilled water	n.a.	n.d.	n.d.	n.d.	n.d.	6,5 ± 0,000				

Prepared by: Mgr. Ludmila Porubová

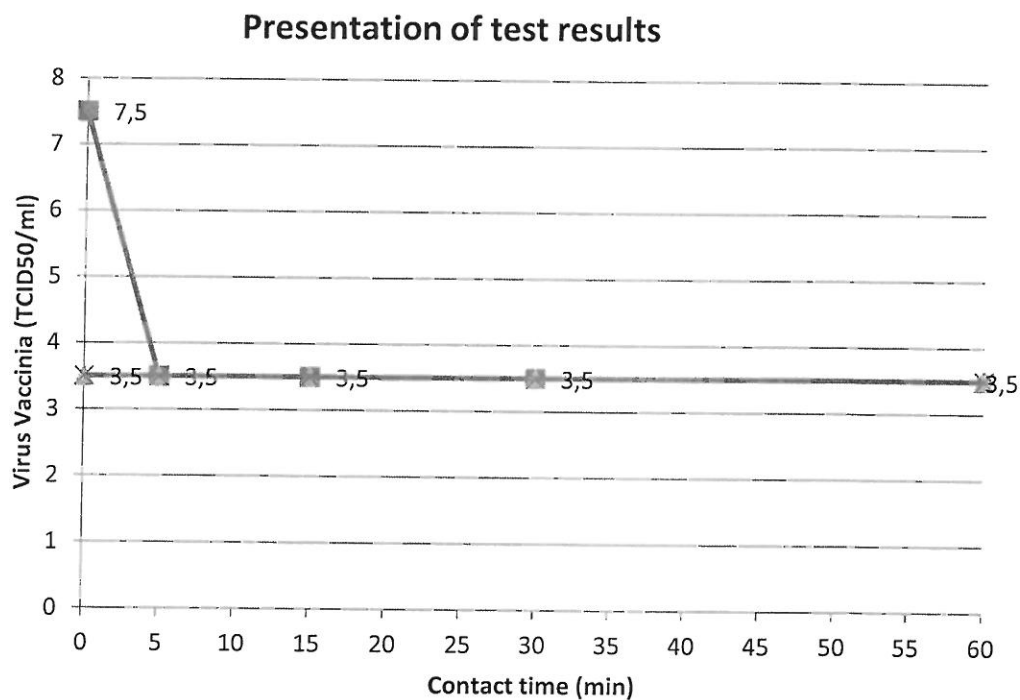
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Figure 1: Graphic presentation of results of the test for product DESAM EFFEKT+ to *Vaccinia virus, strain Elstree*, – 1.test



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

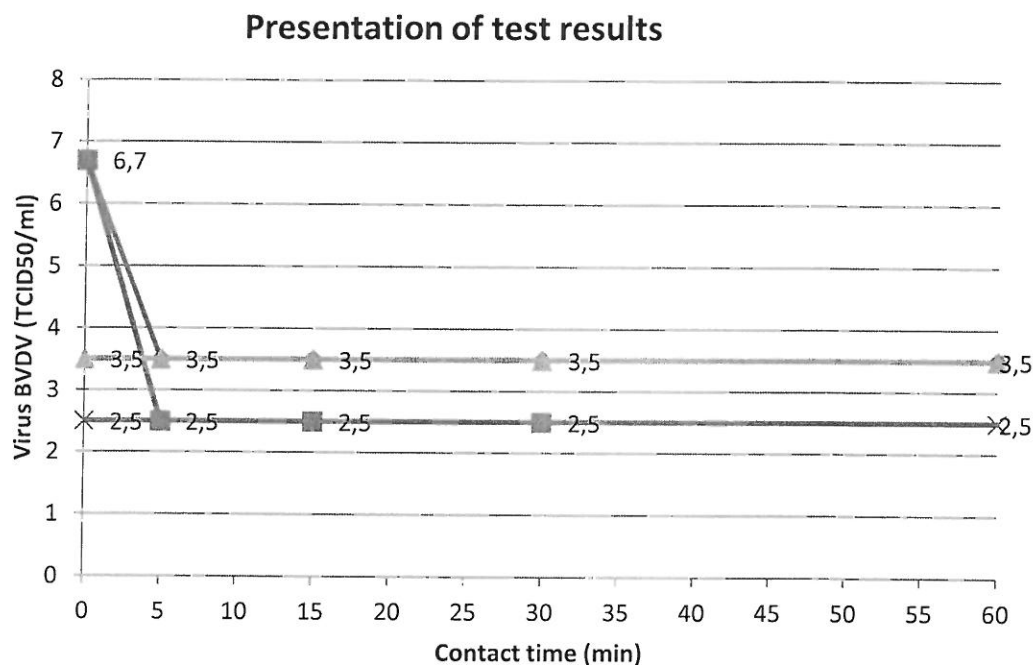
Figure 2: Graphic presentation of results of the test for product DESAM EFFEKT+ to *Vaccinia virus, strain Elstree* – 2.test



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

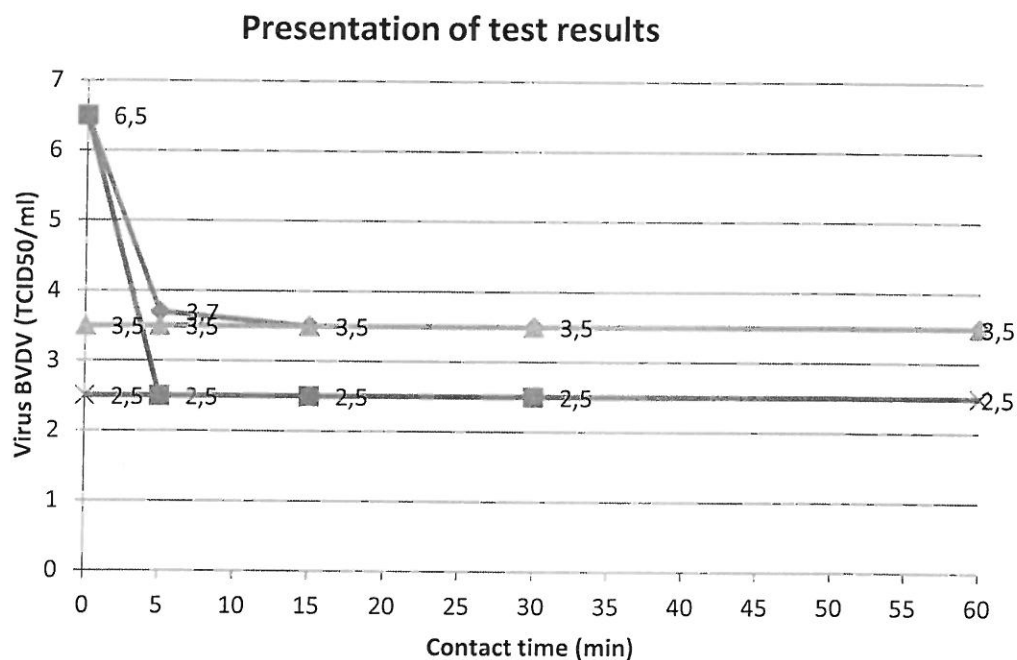
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Figure 3: Graphic presentation of results of the test for product DESAM EFFEKT+ to BVDV, strain NADL – 1.test



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 formadlehyde 0,7%, Cytotoxicity of Desam effekt+ 0,5%

Table n.5: Raw data of test for product DESAM EFEKT+ to *Vaccinia virus, strain Elstree* – 1.test

Product	Concentration	Interfering substance	Contact time	Dilution (log 10)							
				-1	-2	-3	-4	-5	-6	-7	-8
Desam efekt+	0,25%	distilled water	5 min	CT	CT	CT	00000	00000	00000	00000	00000
Desam efekt+ + MicroSpin	0,25%	distilled water	5 min	CT	CT	00000	00000	00000	00000	00000	00000
Desam efekt+	0,25%	distilled water	15 min	CT	CT	CT	00000	00000	00000	00000	00000
Desam efekt+ + MicroSpin	0,25%	distilled water	15 min	CT	CT	00000	00000	00000	00000	00000	00000
Desam efekt+	0,25%	distilled water	30 min	CT	CT	CT	00000	00000	00000	00000	00000
Desam efekt+ + MicroSpin	0,25%	distilled water	30 min	CT	CT	00000	00000	00000	00000	00000	00000
Cytotoxicity DESAM EFEKT+	0,25%	distilled water	n.a.	CT	CT	CT	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFEKT+ + Microspin	0,25%	tvrdá voda	n.a.	CT	CT	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity Formaldehyde	0,7% (m/V)	PBS	n.a.	CT	CT	00000	00000	n.a.	n.a.	n.a.	n.a.
Formaldehyde	0,7% (m/V)	PBS	5 min	CT	CT	00000	00000	00000	00000	00000	00000
			10 min	CT	CT	00000	00000	00000	00000	00000	00000
			30 min	CT	CT	00000	00000	00000	00000	00000	00000
			60 min	CT	CT	00000	00000	00000	00000	00000	00000
Susceptibility of cells - PBS	n.a.	distilled water	60 min	44444	44444	44444	44444	44444	32332	00000	00000
Susceptibility of cells - DESAM EFEKT+	0,00025%	distilled water	60 min	44444	44444	44444	44444	44444	33200	00000	00000
Virus control	n.a.	distilled water	5 min	44444	44444	44444	44444	44444	33323	00000	00000
Virus control + Microspin	n.a.	distilled water	5 min	44444	44444	44444	44444	44444	22322	00000	00000
Virus control + Microspin	n.a.	distilled water	60 min	44444	44444	44444	44444	44444	32133	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



Table n.6: Raw data of test for product DESAM EFEKT+ to *Vaccinia virus, strain Elstree* – 2.test

Product	Concentration	Interfering substance	Contact time	Dilution (log 10)							
				-1	-2	-3	-4	-5	-6	-7	-8
Desam effekt+	0,25%	distilled water	5 min	CT	CT	CT	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	distilled water	5 min	CT	CT	00000	00000	00000	00000	00000	00000
Desam effekt+	0,25%	distilled water	15 min	CT	CT	CT	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	distilled water	15 min	CT	CT	00000	00000	00000	00000	00000	00000
Desam effekt+	0,25%	distilled water	30 min	CT	CT	CT	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	distilled water	30 min	CT	CT	00000	00000	00000	00000	00000	00000
Cytotoxicity DESAM EFEKT+	0,25%	distilled water	n.a.	CT	CT	CT	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFEKT+ + Microspin	0,25%	tvrdá voda	n.a.	CT	CT	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity Formaldehyde	0,7% (m/V)	PBS	n.a.	CT	CT	00000	00000	n.a.	n.a.	n.a.	n.a.
Formaldehyde	0,7% (m/V)	PBS	5 min	CT	CT	00000	00000	00000	00000	00000	00000
			10 min	CT	CT	00000	00000	00000	00000	00000	00000
			30 min	CT	CT	00000	00000	00000	00000	00000	00000
			60 min	CT	CT	00000	00000	00000	00000	00000	00000
Susceptibility of cells - PBS	n.a.	distilled water	60 min	44444	44444	44444	44444	44444	00323	00000	00000
Susceptibility of cells - DESAM EFEKT+	0,00025%	distilled water	60 min	44444	44444	44444	44444	44444	33230	00000	00000
Virus control	n.a.	distilled water	5 min	44444	44444	44444	44444	44444	33322	00000	00000
Virus control + Microspin	n.a.	distilled water	5 min	44444	44444	44444	44444	44444	11232	00000	00000
Virus control + Microspin	n.a.	distilled water	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



Table n.7: Raw data of test for product DESAM EFEKT+ to BVDV, strain NADL- 1.test

Product	Concentration	Interfering substance	Contact time	Dilution (log 10)							
				-1	-2	-3	-4	-5	-6	-7	-8
Desam effekt+	0,25%	distilled water	5 min	CT	CT	00000	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	distilled water	5 min	CT	00000	00000	00000	00000	00000	00000	00000
Desam effekt+	0,25%	distilled water	15 min	CT	CT	00000	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	distilled water	15 min	CT	00000	00000	00000	00000	00000	00000	00000
Desam effekt+	0,25%	distilled water	30 min	CT	CT	00000	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	distilled water	30 min	CT	00000	00000	00000	00000	00000	00000	00000
Cytotoxicity DESAM EFEKT+	0,25%	distilled water	n.a.	CT	CT	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFEKT+ + Microspin	0,25%	tvrdá voda	n.a.	CT	00000	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity Formaldehyde	0,7% (m/V)	PBS	n.a.	CT	CT	00000	00000	n.a.	n.a.	n.a.	n.a.
Formaldehyde	0,7% (m/V)	PBS	5 min	CT	CT	00000	00000	00000	00000	00000	00000
			10 min	CT	CT	00000	00000	00000	00000	00000	00000
			30 min	CT	CT	00000	00000	00000	00000	00000	00000
			60 min	CT	CT	00000	00000	00000	00000	00000	00000
Susceptibility of cells - PBS	n.a.	distilled water	60 min	44444	44444	44444	33333	33300	00000	00000	00000
Susceptibility of cells - DESAM EFEKT+	0,00025%	distilled water	60 min	44444	44444	44444	33333	02304	00000	00000	00000
Virus control	n.a.	distilled water	5 min	44444	44444	44444	33333	32333	00000	00000	00000
Virus control + Microspin	n.a.	distilled water	5 min	44444	44444	44444	34334	32342	03000	00000	00000
Virus control + Microspin	n.a.	distilled water	60 min	44444	44444	44444	33333	33322	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

Prepared by: Mgr. Ludmila Porubová



Table n.8: Raw data of test for product DESAM EFEKT+ to BVDV, strain NADL – 2.test

Product	Concentration	Interfering substance	Contact time	Dilution (log 10)							
				-1	-2	-3	-4	-5	-6	-7	-8
Desam effekt+	0,25%	distilled water	5 min	CT	CT	00000	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	distilled water	5 min	CT	00000	00000	00000	00000	00000	00000	00000
Desam effekt+	0,25%	distilled water	15 min	CT	CT	00000	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	distilled water	15 min	CT	00000	00000	00000	00000	00000	00000	00000
Desam effekt+	0,25%	distilled water	30 min	CT	CT	00000	00000	00000	00000	00000	00000
Desam effekt+ + MicroSpin	0,25%	distilled water	30 min	CT	00000	00000	00000	00000	00000	00000	00000
Cytotoxicity DESAM EFEKT+	0,25%	distilled water	n.a.	CT	CT	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity DESAM EFEKT+ + MicroSpin	0,25%	tvrdá voda	n.a.	CT	00000	00000	00000	n.a.	n.a.	n.a.	n.a.
Cytotoxicity Formaldehyde	0,7% (m/V)	PBS	n.a.	CT	CT	00000	00000	n.a.	n.a.	n.a.	n.a.
Formaldehyde	0,7% (m/V)	PBS	5 min	CT	CT	00100	00000	00000	00000	00000	00000
			10 min	CT	CT	00000	00000	00000	00000	00000	00000
			30 min	CT	CT	00000	00000	00000	00000	00000	00000
			60 min	CT	CT	00000	00000	00000	00000	00000	00000
Susceptibility of cells - PBS	n.a.	distilled water	60 min	44444	44444	44444	33333	33333	00000	00000	00000
Susceptibility of cells - DESAM EFEKT+	0,00025%	distilled water	60 min	44444	44444	44444	33333	22232	00000	00000	00000
Virus control	n.a.	distilled water	5 min	44444	44444	44444	33333	22223	00000	00000	00000
Virus control + Microspin	n.a.	distilled water	5 min	44444	44444	44444	34334	33333	00000	00000	00000
Virus control + Microspin	n.a.	distilled water	60 min	44444	44444	44444	33333	33333	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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