

University of pharmaceutical and biological sciences
Microbiology laboratory

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SUBJECT MATTER OF THE DEMAND

Study about the virus activity of the "MILTON Fluid" product, facing *Enterovirus Polio 1* and *Adenovirus type 5*, according to the AFNOR NF T 72-180 norm (December 1989).

PRINCIPLE

The trial was realized according to the protocol described in the NF T 72-180 French norm entitled : "Antiseptics and disinfectants used in their liquid state, miscible in water and able to be neutralized. Determination of the virus activity, facing viruses of vertebrates".

IDENTIFICATION OF THE SAMPLE

Name of the product : "MILTON Fluid", batch number 1387, 2% solution.
Manufacturer : Laboratoires RIVADIS – B.P. 111 – 79103 THOUARS Cedex.
Date of receipt in laboratory : 31st March 2003.
Stocking conditions in laboratory : room temperature.
Analysis period : April – June 2003.
Active ingredient : sodium hypochlorite

OPERATING CONDITIONS

Trial temperature : 20°C.
Contact time : 10 and 15 minutes.
Thinner of the product : sterile distilled water
Origin of strains : Pasteur Institute
Used technique : technique by molecular straining

This document is composed of 2 referenced pages.

T 72-180
 PRODUCT : "MILTON FLUID"

PRELIMINARY TRIAL

	Product dilution
	0,6% (v/v)
Vero cells (Enterovirus Polio 1)	100%
K B cells (Adenovirus 5)	100%

ACTUAL TRIAL

1) Enterovirus Polio 1

Contact time	Control/Reference (UFP log)	Logarithmic reduction	Logarithmic reduction
		0,3% (v/v)	P work solution 0,6% (v/v)
10 minutes	8.49	2.2	3.24
15 minutes	8.49	3.1	5.1

ACTUAL TRIAL

2) Adenovirus 5

Contact time	Control/Reference (UFP log)	Logarithmic reduction	Logarithmic reduction
		0,3% (v/v)	P work solution 0,6% (v/v)
10 minutes	6.82	lower than 1	higher than 4
15 minutes	6.82	3.56	higher than 4

CONCLUSIONS

The product "MILTON Fluid" presents a virus activity facing *Enterovirus Polio 1* and *Adenovirus type 5*, according to the AFNOR T 72 180 norm in 15 minutes when 0,6% (v/v) of the solution is diluted with sterile distilled water.

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