SUMMARY NOTIFICATION INFORMATION FORMAT FOR RELEASES OF GENETICALLY MODIFIED ORGANISMS OTHER THAN HIGHER PLANTS

(in accordance with Article 9 of Directive 90/220/EEC)

Introduction

The Summary Notification Information Format has been established for the purposes and according to the procedures envisaged by Article 9 of Directive 90/220/EEC.

It is recognized that the Summary Notification Information Format is not designed to contain all the information required for carrying out an environmental risk assessment in the detail necessary for such an assessment. The information entered should, however, adequately reflect (in a condensed form) the information submitted to the competent authority according to Articles 5 and 6 of Directive 90/220/EEC under the conditions specified in the preface to Annex II. The space provided after each question is not indicative of the depth of the information required for the purposes of the Summary Notification Information Format.

GENERAL INFORMATION

1. Details of notification Member State of notification: BELGIUM Notification number: Date of acknowledgment of notification: Title of the project(s): Study TG4010.04: "Randomized, multicenter, phase II study evaluating two doses of TG4010 (MVA-MUC-1-IL-2) in patients with metastatic breast cancer" Study TG4010.05: "Randomized Multicenter PHASE II study Evaluating he Clinical Efficacy of TG4010 (MVA-MUC-1-IL-2) in association with Chemotherapy in Patients with Non Small Cell Lung Cancer" Proposed period of release: TG4010.04: Q4 2001-2003

TG4010.05: Q 42001-Q3 2003

2.	Notifier
Na	me of institution or company:TRANSGENE S.A
3.	GMO characterization
(a)	Indicate whether the GMO is a : viroid RNA virus * DNA virus bacterium fungus animal other, please specify
(b)	Identity of the GMO: the recombinant vaccinia virus MVATG9931
4.	Is the same GMO release planned elsewhere in the Community (in conformity with Artic 5 (1))?
* <u>Y</u>	'es* No Not known
Ify	yes, insert the country code(s) France, (and Switzerland).
5.	Has the same GMO been notified for release elsewhere in the Community by the sam notifier?
Ye	s * <u>No</u> *
- N	yes: Iember State of notification: otification number:
	INFORMATION RELATING TO ANNEX II
	A. Information relating to the recipient or parental organisms from which the GMO is derived
	Indicate whether the recipient or parental organism is a: viroid RNA-virus * DNA virus * bacterium fungus animal other-please specify

2. Complete name:

(i) order and/or higher taxon (for animals) Poxviridae (family)

(ii) genus Orthopoxvirus
(iii) species vaccinia virus

(iv) subspecies

(v) strain Modified Virus Ankara

(vi) pathovar (biotype, ecotype, race, etc.) -

(vii) common name MVA

A simplified filiation between the attenuated strain originating from an hypothetical ancestor, and the recombinant vector is the following:

Dermovaccinia virus of Ankara (CVA) strain obtained by several passages donkey -calfdonkey => MVA strain => MVATG9931 vector

Note that all the above strains until the MVA included were isolated following natural selection in vivo (cells or animals). Therefore they are not GMO according to 90/219/CEE.

3. Geographical distribution of the organism

(a) Indigenous to the country where the notification is made:

Yes * No * Not known

(b) Indigenous to other EC countries:

The MVA was specially developed in 1970 in Germany to immunize patients at high risk for complications from vaccination against smallpox.

(i) Yes

If yes, indicate the type of ecosystem in which it is found:

None, the MVA is a laboratory strain of the vaccinia virus. This virus is itself not part of any known ecosystem (beyond the context of the smallpox vaccination, at present discontinued)

Atlantic Mediterranean Not applicable
Arctic Continental Not applicable

- (ii) No Not known
- (c) Is it regularly used in the country where the notification is made?

Yes * No *

(d) Is is regularly kept in the country where the notification is made?

Yes * No *

4. Natural habitat of the organism

M (a) If the organism is a microorganism:

water
soil, free-living
soil in association with plant root systems
in association with plant leaf/stem systems
in association with animals
other (specify):

the natural habitat of the recombinant vector, or of its parental virus (the MVA), is a laboratory setting. Neither one has been found in a natural habitat. (See also 3b above)

A (b) If the organism is an animal: natural habitat or usual agroecosystem: *not applicable*

5. (a) Detection techniques

<u>Detection by Assessment of the Infectious Titer</u>: vaccinia virus titration is performed on BHK-21 cells. Cells are infected by dilutions of the test article to be titrated and by dilutions of an internal reference. Viruses are adsorbed onto cells then cultures are incubated until obtention of plaques. Detection of plaques is performed by immunodetection using a peroxidase reaction.

(b) Identification techniques

- b-1. <u>Identity of MVA strain</u>: this test is done to confirm by PCR the identity of the vector. It is based on the presence of MVA deletion III, a characteristic encountered only in the MVA strain of vaccinia virus. For this purpose, viral DNA is extracted from the test article, and from two positive control samples: another recombinant vaccinia virus encoding for MUC-1 antigen and IL-2 and an isolate of a non-recombined MVA strain. Using oligonucleotides flanking the MVA-specific deletion III region, an amplicon of a defined size is amplified by PCR. This amplicon cannot be revealed if the target backbone is the parental genome of the MVA.
- b-2. Characterization of the genetic insert: This test is performed to confirm that the genome region carrying both passenger genes of the vector (MUC-1 and IL-2) is present. This assessment is performed by the demonstration that a DNA fragment, corresponding to its intended size, is present at the selected locus inside the vector. The PCR reaction is done with three couples of oligonucleotides binding inside and outside this region. The test is carried out on vector DNA extracted either from a purified sample of particles, or from an infected cell lysate. Amplification of a region encompassing the genes reveals its presence or absence through the size of the amplified fragments (expected: 2177, 1965 and 1462 bp), as determined on gel electrophoresis, and compared to a positive control obtained with MVATG9931 DNA extracted from a reference research stock, and to a negative control obtained with parental vector DNA (no passenger genes) extracted from a reference stock.

6. Is the recipient organism classified under exist protection of human health and/or the environment	ing Community rules relating to the
Yes * <u>No</u> *	ent of the property
· 一位等数据	
Note that <u>vaccinia virus</u> are classified as Class 2. No path to be demonstrated in laboratory conditions in the followalf, rabbit, dog, horse and sheep. Only two strains of MVA strain propagation: primary chicken cells, and the Consequently, according to 90/219/CEE, the MVA has Engineering Committe as Class 2 Group II confinement 10E9 pfu/sample or L2 for quantities superior to 10E9	wing animals: mouse, rat, monkey, pig cells are known to be permissive for the e continuous cell line BHK-21 (hamster) s been classified by the French Genetic ent L1 for quantities inferior or equal to
	To provide the control of the contro
If yes, specify: not applicable	
	en e
extracellular products), either living or dead? Yes * No * If yes: (a) to which of the following organisms: humans animals plants (b) give the relevant information specified under Annex	
	the state of the state of the state of
8. Information concerning reproduction:	
(a) Generation time in natural ecosystems:not appl	Goahla
No natural ecosystem; in permissive chicken emby conditions, the generation time is about 1-3 days.	onic cells and in optimized laborator
(b) Generation time in the ecosystem where the release <i>The vector does not propagate in humans</i> .	will take place: not applicable
(c) Way of reproduction: Sexual Asexual <i>not applicable</i>	

In laboratory conditions, and in permissive cells: temperature, growth medium, namely.

(d) Factors affecting reproduction:

9.	Sur	viva	bility
· *	L) u.	7 8 7 84	*****

(a)	Ability	to	form	structures	enhancing	survival	or	dormancy
not	applical	ble						

- (i) endospores
- (ii) cysts
- (iii) sclerotia
- (iv) asexual spores (fungi)
- (v) sexual spores (fungi)
- (vi) eggs
- (vii) pupae
- (viii) larvae
- (ix) other, please specify
- (b) Relevant factors affecting survivability:

10. (a) Ways of dissemination: Contact

- (b) Factors affecting dissemination: Contaminated instruments
- 11. Previous genetic modifications of the recipient or parental organism already notified for release in the country where the notification is made (give notification numbers):

None

B. Information relating to the genetic modification

- 1. Type of the genetic modification
 - * (i) Insertion of genetic material *
 - (ii) Deletion of genetic material
 - (iii) Base substitution
 - (iv) Cell fusion
 - (v) Other, please specify
- 2. Intended result of the genetic modification

Vectorization of the two inserted coding sequence into human patients

3. (a) Has a vector been used in the process of modification?

* <u>Yes</u> * No

If no, go straight to question 5.

(b) If yes, is the vector wholly or partially present in the modified organism? Yes * No *

If no, go straight to question 5.

4.	If the answer to 3 (b) is yes, supply the following information:	
(a)	Type of vector	
	plasmid	
	bacteriophage	
	virus	
	cosmid phasmid	
	transposable element	
	other, please specify	
	Identity of the vector:	
7-5		
(c)	Host range of the vector	****
(d)	Presence in the vector of sequences giving a selectable or identifiable phenotype yes No	
An	ibiotic resistance	
He	vy metal resistance	
Oth	er, specify:	
• • • •		
	Constituent fragments of the vector	
****	An experience	
	Method for introducing the vector into the recipient organism	
	ransformation	
	electroporation	
	macroinjection	
, ,	microinjection infection	
	other, please specify	
` ′	other, preuse specify	
5.	If the answer to question B.3 (a) and (b) is no, what was the method used to introduce to insert into the recipient/parental cell?	ne
not	applicable (the insert is introduced into the parental viral genome)	
	(i) transformation	
	(ii) microinjection	
	(iii) microencapsulation	
	(iv) macroinjection	

(v) other, please specify: in vitro homologous recombination between a pBR322-derived plasmid carrying both passenger genes flanked by MVA sequences and the parental virus (MVA) genome. 6. Information on the insert (a) Composition of the insert - A MUC-1 expression cassette (Human Mucin), composed of the pH5R vaccinia virus promoter and a cDNA coding for MUC-1. - A human interleukin-2 (IL-2) expression cassette, composed of the p7.5k vaccinia virus promoter and a cDNA coding for IL-2. - 2 synthetic polylinkers, of 23 and 82 bases pairs (b) Source of each constituent part of the insert - for both coding sequences: human messenger RNA - linkers have been isolated from commercial pBR322-derived plasmids (c) Intended function of each constituent part of the insert in the GMO - To direct in patients the synthesis of IL-2 and MUC-1 at the site of administration - to physically link the genes and the vector together (d) Location of the insert in the host organism - on a free plasmid - integrated in the chromosome : integrated in the vector's genome - other, please specify (e) Does the insert contain parts whose product or function are not known? Yes * No * If yes, please specify: C. Information on the organism(s) from which the insert is derived (Donor) 1. Indicate whether it is a: viroid RNA virus DNA-virus bacterium fungus plant

other, please specify human

animal

2.	Complete name: (i) order and/or higher taxon (f	Homo sapiens		
	(ii) family name (for plants)	ior ammais)		
	• • • • • • • • • • • • • • • • • • • •			
	(iii) genus			
	(iv) species (v) subspecies			
	(vi) strain			
	(vii) cultivar/breeding line			
	(viii) pathovar			
	(ix) common name			\
	i i i i i i i i i i i i i i i i i i i			
3.		er harmful in an	v other way (inch	ıdino its extracellular
J	products), either living or dead		, omit, (2020)	**************************************
	products), critical arrange of deal			
	ot applicable			
	es, No, Not known			
If,	, yes, specify the following:			
(a)) to which of the following organi	sms?		
	the AM and and			4
no	ot applicable			
hu	umans			
an	nimals			
pla	lants			
	especialistic describeration			
(b)	o) are the donated sequences invol- organism?	ved in any way to	the pathogenic or h	armful properties of the
no	ot applicable			
¥e	es, No, Not known			
If	yes, give the relevant information	under Annex II, I	[A, 11 d:	
			************************	******
4.	Is the donor organism classified	d under existing C	Community rules re	lating to the protection
	of human health and the envir	onment?		1.15
	ot applicable		w.	
	es No sanda and an analysis			
If	yes, please specify:			
***			*******************	*****
4	. Do the donor and recipient org	raniem avehanca	aenetic material n	aturally?
	es * <u>No</u> * Not known	zamom cachange	Souver material m	4444 102X y 6

D. Information relating to the genetically modified organism

Yes No * Not known	it from the recipient as far as survivability is concerned? (unlikely)
If yes, please specify	
***************************************	······································
(b) Is the GMO in any reproduction is concern Yes * No * Not known	way different from the recipient as far as mode and/or rate of ed?
If yes, please specify:	
concerned?	ay different from the recipient as far as dissemination is
Yes * <u>No</u> * Not known	
If yes, please specify:	

2. Genetic stability of	the genetically modified organism:
process of production a	the recombinant vector (MVATG9931) is monitored throughout nd several passages beyond. Release specifications regarding its gen
process of production a stability are set for the c to be. Once administere there is no more opport	nd several passages beyond. Release specifications regarding its gend linical material in order to ensure that it is conform to what it is intend d, the vector cannot propagate further from the infected cells, and the unity for the genome to be rearranged.
process of production a stability are set for the c to be. Once administere there is no more opport 3. Is the GMO pathogonither living or dead	nd several passages beyond. Release specifications regarding its genulinical material in order to ensure that it is conform to what it is intended, the vector cannot propagate further from the infected cells, and the inity for the genome to be rearranged. Enic or harmful in any other way (including its extracellular productions)
process of production a stability are set for the country to be. Once administere there is no more opported. 3. Is the GMO pathogonither living or dead there is no Mot known	nd several passages beyond. Release specifications regarding its genulinical material in order to ensure that it is conform to what it is intended, the vector cannot propagate further from the infected cells, and the unity for the genome to be rearranged. Enic or harmful in any other way (including its extracellular product)?
process of production a stability are set for the c to be. Once administere there is no more opports 3. Is the GMO pathogon either living or dead Yes * No * Not known Note that, according to Engineering Committe of	nd several passages beyond. Release specifications regarding its genulinical material in order to ensure that it is conform to what it is intended, the vector cannot propagate further from the infected cells, and the inity for the genome to be rearranged. Enic or harmful in any other way (including its extracellular productions)
process of production a stability are set for the c to be. Once administere there is no more opporta 3. Is the GMO pathogonism either living or dead Yes * No * Not known Note that, according to Engineering Committe a 10E9 pfu/sample or L2	nd several passages beyond. Release specifications regarding its genulinical material in order to ensure that it is conform to what it is intended, the vector cannot propagate further from the infected cells, and the unity for the genome to be rearranged. Senic or harmful in any other way (including its extracellular product)? 190/219/CEE, the GMO has been classified by the French Generals Class 2 Group II, confinement I,1 for quantities inferior or equals.
process of production and stability are set for the control of the	nd several passages beyond. Release specifications regarding its genulinical material in order to ensure that it is conform to what it is intended, the vector cannot propagate further from the infected cells, and the unity for the genome to be rearranged. Enic or harmful in any other way (including its extracellular product)? 190/219/CEE, the GMO has been classified by the French Generals Class 2 Group II, confinement L1 for quantities inferior or equals for quantities superior to 10E9 pfu/sample
process of production a stability are set for the control to be. Once administere there is no more opported. 3. Is the GMO pathogonisher living or dead wither living or dead with the set of the set	nd several passages beyond. Release specifications regarding its genulinical material in order to ensure that it is conform to what it is intended, the vector cannot propagate further from the infected cells, and the unity for the genome to be rearranged. Enic or harmful in any other way (including its extracellular product)? 190/219/CEE, the GMO has been classified by the French Generals Class 2 Group II, confinement L1 for quantities inferior or equals for quantities superior to 10E9 pfu/sample
process of production a stability are set for the country to be. Once administered there is no more opported. 3. Is the GMO pathogonistic stability or dead either living eithe	nd several passages beyond. Release specifications regarding its genulinical material in order to ensure that it is conform to what it is intended, the vector cannot propagate further from the infected cells, and the unity for the genome to be rearranged. Enic or harmful in any other way (including its extracellular product)? 190/219/CEE, the GMO has been classified by the French Generals Class 2 Group II, confinement L1 for quantities inferior or equals for quantities superior to 10E9 pfu/sample

4.	Description of identification and detection methods	
, ,	Techniques used to detect the GMO in the environment: see above, § A.6.(a)	
	Techniques used to identify the GMO: see above, § A.6.(b)	
****		guith uas
	E. Information relating to the release	\$
1.	Purpose of the release	
Tre	eatment of cancer by stimulation of the host's anti-tumor immunity	
2.	Is the site of the release different from the natural habitat or from the ecosy the recipient organism is regularly used, kept or found?	stem in which
	t applicable : the vector is injected subcutaneously, and does not disseminate of the patients. Namely, no excretion of vaccinia vectors can be detected in body j	
	s No state that the second sec	
3.	Information concerning the release and the surrounding area	
	Geographical location (administrative region and where appropriate grid reference	nce):
	Size of the site (m2): not applicable (i) actual release site (m2): not applicable	
(d)	(ii) wider release area (m2): not applicable	

(e)	Proximity to internationally recognized biotopes or protected areas (including reservoirs), which could be affected: <i>None</i>	drinking water
`	Flora and fauna including crops, livestock and migratory species which may pote with the GMO: <i>None</i>	entially interac
	Method and amount of release	
(a)	Quantities of GMOs to be released: 10E8 pfu per administration	

(b) Duration of the operation:	< 5 minutes
	,-1,L>>>+7,L>>+7,+4,L>++5,L>+>+++++++++++++++++++++++++++++

(c) Methods and procedures to avoid and/or minimize the spread of the GMOs beyond the site of the release:

Previous preclinical studies in laboratory animals with pox vectors have shown that no dissemination from the site of administration to other part of the body can be detected, as well as no subsequent excretion of the vector. This has been subsequently confirmed during clinical trials in humans with the previous generation of the vector when monitoring of the excretats did not reveal any particle of vector. The planned route of administration – subcutaneous – is considered by the clinicians to be as leak-proof as the intramuscular route that has been used previously.

Moreover, the biological confinement of the vector is built into its attenuation since it cannot propagate in patients, and a fortiori not in people of their family circle who, hypothetically, would have been contaminated by traces of the vector.

It should be also noted that all contaminated instruments, and/or clothes will be decontaminated according to current hospital practices for infectious material.

- F. Interactions of the GMO with the environment and potential impact on the environment
- 1. Complete name of target organisms:

No target organism is known since all animals tested so far have proven negative (see above $\{A,7.\}$).

- (i) order and/or higher taxon (for animals)
- (ii) family name (for plants)
- (iii) genus
- (iv) species
- (v) subspecies
- (vi) strain
- (vii) cultivar
- (viii) pathovar
- (ix) common name
- 2. Anticipated mechanism and result of interaction between the released GMOs and the targ organism

Not applicable

3. Other potentially significant interactions with other organisms in the environment:

Not known.

4. Is post-release selection for the GMO likely to occur? Yes * No *
As indicated above, reproduction of the vector requires a specific laboratory environment (specialized cell lines and growth medium, namely).
If yes, give details:
5. Types of ecosystems to which the GMO could be disseminated from the site of release and in which it could become established
The site of release being an hospital room, « ecosystems » that could be affected are limited in availability. Moreover, ecosystems encompassing animals that have been tested (all negatives) for the capacity of the vector to replicate should not be able to maintain it.
6. Complete name of non-target organisms which may be effected unwittingly
Not applicable (i) order and/or higher taxon (for animals)
(ii) family name (for plants)
(iii) genus
(iv) species
(v) subspecies
(vi) strain
(vii) cultivar
(viii) pathovar (ix) common name
7. Likelihood of genetic exchange in vivo
(a) from the GMO to other organisms in the release ecosystem:
In addition to being unlikely, a dissemination of the vector to a given ecosystem should not lead to a genetic exchange with another related microorganism: indeed, no human pox virus is known to be endemic in humans. In animals susceptible to infection by the virus (even without being permissive for its propagation), few opportunity for genetic recombination with animal poxviruses could occur, since the level of replication that the vector DNA undergoes in vivo is low, and limited to cells infected by the inoculum (no generation of infectious particles).
AND
(b) from other organisms to the GMO: same answer as above.
>=====================================

8. Give references to relevant results from studies of the behaviour and characteristic of the GMO and its ecological impact carried out in simulated natural environments (e.g. microcosms, etc.):

No such references are available, unless the natural ecosystem of this laboratory strain is considered to be the human body. In that case, references relating to human vaccination carried out with the parental virus (MVA) of the vector on about 150000 children and adults are the following:

Hochstein-Mintzel, V., Hänichen, H. C., & Stickl, H., (1975) Vaccinia und variolaprotektive Wirkung des modifizierten Vaccinia-Stammes, MVA bei intramuskulärer Immunisierung. Zentralblatt für Bakteriologie, Mikrobiologie und Hygiene.1. Abt. Originale. A: Medical, Microbiology, Infectious Diseases, Virology, Parasitology, 230, 283-.

Hochstein-Mintzel, V., Huber, H. C., & Stickl, H., (1972) Virulenz und Immunogenität eines modifizierten Vaccinia-Virus (Stamm MVA). Zeitschrift für immunitatsforschung, 144, 140-156.

Holzner, A., (1976) Zur Beurteilung der MVA-Stufenimpfung bei der pockenerstimpfungen. Med Diss München,

Mahnel, H., & Mayr, A., (1994) Erfahrung bei der Schutzimpfung gegen Orthopocken von Mensch und Tier mit dem Impstamm MVA. Berliner und Münchener Tierärztliche Wochenschrift, 107., 253-256.

Mayr, A., & Danner, K., (1979) Bedeutung von Tierpocken für den Menschen nach Aufhebung der Pflichtimpfung gegen Pocken. Berliner und Munchener Tierarztliche Wochenschrift, 92, 251-256.

Mayr, A., Hochstein-Mintzel, V., & Stickl, H., (1975) Abstammung, Eigenschaften und Verwendung des attenuirten Vaccinia-Stammes MVA. Infection, 3 (1), 6-14.

Mayr, A., Stickl, H., Müller, H. K., Danner, K., & Singer, H., (1978) Der Pockenimpfstamm MVA: Marker, genetische Struktur, Erfahrung mit der parenteralen Schutzimpfung und Verhalten im abwehrgeschwächten Organismus. Zentralblatt für Bakteriologie, Mikrobiologie und Hygiene. 1. Abt. Originale. B: Umwelthygiene. Krankenhaushygiene. Arbeitshygiene. Praventive Medizin., 167, 375-390.

Stickl, H., & Hochstein-Mintzel, V., (1971) Die intrakutane Pockenimpfung mit einem schwach virulenten Vakzine-Viruz ("MVA-Virus"). Deutsche Medizinische Wochenschrift, 99, 2386.

Stickl, H., Hochstein-Mintzel, V., Mayr, A., Huber, H. C., Schäfer, H., & Holzner, A., (1974) MVA Stufenimpfung gegen Pocken. Klinische Erprobung des attenuierten Pocken-Lebendimpfstoffer Stammes MVA. Deutsche Medizinische Wochenschrift, 99, 2386-2392.

G. Information relating to monitoring 1. Methods for monitoring the GMOs: see above, § A.6.a and A.6.b 2. Methods for monitoring ecosystem effects : none, see above &F.5. 3. Methods for detecting transfer of the donated genetic material from the GMO to other organisms: none, see above $\S F. 7$. 4. Spatial extent of the monitoring area (m2) not applicable 5. Duration of the monitoring *not applicable* 6. Frequency of the monitoring not applicable H. Information on post-release and waste treatment 1. Post-release treatment of the site: Remaining and wastes from product use (syringes, needles, etc.) will be kept in a specific garbage and will be decontaminated following the standard hospital procedures for contaminated wastes. 2. Post-release treatment of the GMOs: none, beyond treatment of wastes (see above) And the state of t 3. (a) Type and amount of waste generated: The maximal dose administered to patients will be 10E8 pfu of the vector. Thus, the amount of

waste generated at each administration will be equivalent to an amount much smaller than this

dose, and will remain so since the vector cannot propagate itself independently.

(b) Treatment of waste: see above § H.1.

I. Information on emergency response plans

1. Methods and procedures for controlling GMOs in case of unexpected spread:

During product manipulations, goggles will be worn, labcoat and gloves will be recommended. All transfers of the preparation will be done using a closed container. Prior to the administration of the product, the product will be prepared under conditions compliant with injectable preparations. In case of accidental shedding of the product (cracked or broken ampoules), every contaminated surface area will be treated according to applicable procedures at the hospital. In case of needle injury, the injection site will be immediately treated locally with hydrogen peroxide (3%) and cover with a sterile gauze dressing, which will be discarded when removed. The injured person will receive counselling from the investigator and will then be closely followed for a period of at least 2 weeks. In case of skin contamination: a local disinfection will be performed with hydrogen peroxide and the contaminated skin will be washed thoroughly with water and soap. In case of eye contamination, the contaminated area will be washed with water. An examination by an ophthalmologist will take place as soon as possible. In case of ingestion, it is recommended not to induce vomiting and to call the investigator or a doctor immediately. The person will be closely followed for a period of at least 2 weeks.

2. Methods for decontamination of the areas affected:

Bleach, or any other anti-viral product used routinely as a viral disinfectant in the hospital.

3. Methods for disposal or sanitation of plants, animals, soils etc. that were exposed during or after the spread:

They will be kept in a specific garbage and decontaminated following the standard hospital procedures for contaminated wastes.

4. Plans for protecting human health and the environment in case of the occurrence of an undesirable effect:

Patients will be monitored for the occurrence of serious adverse events (SAE) according to the clinical protocol: Each SAE will be recorded and evaluated by the hospital staff, and the sponsor of the clinical trial and the relevant health agencies will be notified.