



ROMANIA

Confidence Building Measure Return (covering data for 2015)

**Convention on the Prohibition of the Development,
Production and Stockpiling of Bacteriological
(Biological) and Toxin Weapons and on their
Destruction, 10 April 1972**

Declaration form on Nothing to Declare or Nothing New to Declare for use in the information exchange

Measure	Nothing to declare	Nothing new to declare	Year of last declaration if nothing new to declare
A, part 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A, part 2 (i)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A, part 2 (ii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A, part 2 (iii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(Please mark the appropriate box(es) for each measure with a tick, and fill in the year of last declaration in the last column where applicable.)

Date: **15 April 2016**

State Party to the Convention: **ROMANIA**

Date of ratification/accession to the Convention: **25 July 1979**

National point of contact: **OSCE, Asymmetrical Risks and Non-Proliferation Directorate**

Ministry of Foreign Affairs

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Active promotion of contacts

The Third Review Conference agreed that States parties continue to implement the following:

"Active promotion of contacts between scientists, other experts and facilities engaged in biological research directly related to the Convention, including exchanges and visits for joint research on a mutually agreed basis."

In order to actively promote professional contacts between scientists, joint research projects and other activities aimed at preventing or reducing the occurrence of ambiguities, doubts and suspicions and at improving international cooperation in the field of peaceful bacteriological (biological) activities, the Seventh Review Conference encouraged States parties to share forward looking information, to the extent possible,

- on planned international conferences, seminars, symposia and similar events dealing with biological research directly related to the Convention, and
- on other opportunities for exchange of scientists, joint research or other measures to promote contacts between scientists engaged in biological research directly related to the Convention,

including through the Implementation Support Unit (ISU) within the United Nations Office for Disarmament Affairs.

Confidence-Building Measure "A"

Part 1 Exchange of data on research centres and laboratories

At the Third Review Conference it was agreed that States Parties continue to implement the following:

"Exchange of data, including name, location, scope and general description of activities, on research centres and laboratories that meet very high national or international safety standards established for handling, for permitted purposes, biological materials that pose a high individual and community risk or specialize in permitted biological activities directly related to the Convention."

Modalities

The Third Review Conference agreed on the following, later amended by the Seventh Review Conference:

Data should be provided by States Parties on each facility, within their territory or under their jurisdiction or control anywhere, which has any maximum containment laboratories meeting those criteria for such maximum containment laboratories as specified in the latest edition of the WHO¹ Laboratory Biosafety Manual and/or OIE² Terrestrial Manual or other equivalent guidelines adopted by relevant international organisations, such as those designated as biosafety level 4 (BL4, BSL4 or P4) or equivalent standards.

States Parties that do not possess a facility meeting criteria for such maximum containment should continue to Form A, part 1 (ii).

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents³ on a State Party's territory:

Biosafety level 3 ⁴	no (under construction)
Biosafety level 2 ⁵ (if applicable)	yes

Any additional relevant information as appropriate:

¹ World Health Organization

² World Organization for Animal Health

³ Microorganisms pathogenic to humans and/or animals

⁴ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

⁵ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

- The facility operating the BSL 2 containment laboratory is the Military Medical Research Center, located in Bucharest, Gr. Cobalcescu street no. 24/28, District 1. The public institution responsible for the reported activity is the Ministry of National Defence, which finances it completely. For daily activities, the specialists work in the Level 2 laboratory.

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents⁶ on a State Party’s territory:

Biosafety level 3	no
Biosafety level 2 (if applicable)	yes

Any additional relevant information as appropriate:

The laboratories activities are organized in accordance to ISO 9001:2008 and for some of their methods to ISO 17025:2005 requirements

The facility operating BSL2 containment laboratories is the research department of the National Society “PASTEUR INSTITUTE” SA (Giulesti street no. 333, District 6, Postal Code 060269, Bucharest). The source of financing of the reported activity is the Ministry of Education and Scientific Research and the Pasteur Institute.

The research regards animal viruses, bacteria and parasites: epidemiological and pathological aspects, diagnosis methods, prophylactic / therapeutic bio/medical products (*Escherichia coli*, *Mycoplasma meleagridis*, *M. iowae*, *M. gallisepticum*, *M. synoviae*, *M. hyorhinis*, *M. hyodisenteriae*, *M. floccularis*, porcine circovirus 2, porcine respiratory and reproductive syndrome virus, herpes viruses – Marek, Aujeszky, avian laringotracheitis, canine parvovirus, porcine parvovirus, porcine adenovirus, porcine sapelovirus, avian rhinotracheitis virus, *Ornithobacterium rhinotracheale*, avian coronavirus, avian leukosis viruses, avipox virus, avian bursitis virus, artemisinin in avian protozoal infections therapy), and to medicine residues in animals (LC-MS/MS methods).

The laboratories activities are organized in accordance to ISO 9001/2008 and for some of their methods to ISO 17025/2005 requirements

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents on a State Party’s territory:

⁶ Microorganisms pathogenic to humans and/or animals

Biosafety level 3	yes (not operational)
Biosafety level 2 (if applicable)	yes

The National Institute of Research (NIR) “Cantacuzino” Bucharest (the new name of the The National Institute of Research and Development for Microbiology and Immunology (NIRDMI) “Cantacuzino” as of 2015) operates several BSL2 containment laboratories (totalling 739.42 sqm) within the Department of Microbiology for Public Health (Viral Respiratory Infections Laboratory, Vaccination Preventable Diseases Laboratory, Vector Borne Diseases Laboratory, Sexually Transmitted Diseases Laboratory, Bacterial Enteric Infections Laboratory, Nosocomial Infections Laboratory, Anaerobical, Fungal and Parazitological Infections Laboratory) and the Department of Research and Development (Innate Immunity Laboratory, Biotechnological Development Laboratory, Cellular and Molecular Immunity, Experimental Microbiology). These laboratories are used for diagnostic and applied research; including test validation, test development and surveys. Primary objectives are to have a capability allowing Romania to:

-survey of human health status in relation with circulating pathogenic strains (microbiological surveillance) ;

-identification of strains of certain micro-organisms not usually found in this country.

NIR “Cantacuzino”, Bucharest has a BSL3 facility (totalling 175 sqm) within the Department of Microbiology for Public Health, intended for diagnostic and applied research; including test validation, test development and surveys. Currently the BSL facility is not operational due to several technical drawbacks.

NIR “Cantacuzino”, Bucharest has no operational BSL4.

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents⁷ on a State Party’s territory:

Biosafety level 3 ⁸	yes
Biosafety level 2 ⁹ (if applicable)	yes

⁷ Microorganisms pathogenic to humans and/or animals

⁸ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

⁹ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

Any additional relevant information as appropriate:

Romania's National Sanitary Veterinary and Food Safety Authority operates a BSL3 containment laboratory, component of the Institute for Diagnosis and Animal Health, located in Bucharest, Dr. N. Staicovici street, no. 63, sector 5, zip code 050557; phone: +40/374.322.013, Fax: . +40/21.411.33.94, e-mail: office@idah.ro, web: www.idah.ro/

It is used for diagnostic in animal health and welfare; including test validation, and surveys. Primary objectives are to have a capability allowing Romania to:

- demonstrate its animal health status; and
- demonstrate strains of certain micro-organisms not found in this country.

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents on a State Party's territory:

Biosafety level 3	no
Biosafety level 2 (if applicable)	yes

The Institute for Hygiene and Veterinary Public Health, located in Bucharest, Campul Mosilor street no. 5, postal code 021201, operates several BSL2 containment laboratories. Its source of financing comes only from the National Sanitary Veterinary and Food Safety Authority.

The Institute is the national reference laboratory in the field of animal origin products, food and animal feeding stuffs. Some of the main duties include activities of guidance, proficiency tests, technical co-ordination and control of the county Sanitary Veterinary Food Safety laboratories, sanitary veterinary expertise for animal origin foodstuffs, caring out of results confirmation for laboratory testing, participation in the development of guidelines, instructions and technical details in the field of food safety and participation in the assessment proceedings for the authorization of veterinary microbiology laboratory.

The types of the micro-organisms used in daily activities are mentioned in the following table:

No.	Micro-organism	Reference
1.	Bacillus subtilis subsp. spizizenii	ATCC 6633
2.	Clostridium perfringens	ATCC 13124
3.	Citrobacter freundii	ATCC 43864
4.	Escherichia coli	ATCC 8739
5.	Listeria monocytogenes	ATCC 19111
6.	Listeria innocua	ATCC 33090
7.	Listeria ivanovii subsp. ivanovii	ATCC 19119
8.	Pseudomonas aeruginosa	ATCC 27853
9.	Staphylococcus aureus subsp. aureus	ATCC 6538
10.	Vibrio parahaemolyticus	ATCC 17802

11.	Rhodococcus equi	ATCC 6939
12.	Salmonella enterica subsp. enterica serovar enteritidis	ATCC 13076
13.	Salmonella enterica subsp. enterica serovar typhimurium	ATCC 14028
14.	Staphylococcus epidermidis	ATCC 12228
15.	Aspergillus brasiliensis	ATCC 16404
16.	Bacillus cereus	ATCC 11778
17.	Campylobacter jejuni subsp. jejuni	ATCC 33291
18.	Cronobacter muytjensii	ATCC 51329
19.	Enterococcus faecalis	ATCC 29212
20.	Saccharomyces kudriavzevii	ATCC 2601
21.	Yersinia enterocolitica subsp. enterocolitica	ATCC 23715
22.	E. coli O103	ref. EURL VTEC B07
23.	E. coli O111	ref. EURL VTEC A07
24.	E. coli O157	ref. EURL VTEC C07
25.	E. coli O145	ref. EURL VTEC E07
26.	E. coli O26	ref. EURL VTEC D07
27.	E. coli O104:K:H12	ref. SSI H519
28.	E. coli O113:H21	ref. SSI 6182-50
29.	E. coli O55:H-	ref. SSI Su 3912-41
30.	E. coli O121:K-:H10	ref. SSI 39w
31.	E. coli O128ab:H2	ref. SSI Cigleris
32.	E. coli O146:K-:H21	ref. SSI CDC2950-54
33.	E. coli O91:K-:H-	ref. SSI H307B
34.	E. coli O104:H4	ref. SSI D4116
35.	Salmonella Braenderup	ref. SSI H9812
36.	E. coli	ref. EURL VTEC SSI-NN14
37.	E. coli	ref. EURL VTEC EA22
38.	E. coli	ref. EURL VTEC SSI-OO15
39.	E. coli	ref. SSI D2653
40.	E. coli	ref. SSI D3602
41.	E. coli	ref. SSI D3522
42.	E. coli	ref. SSI D3428
43.	E. coli	ref. SSI D3648
44.	E. coli	ref. SSI D3546
45.	E. coli	ref. SSI D3509
46.	E. coli	ref. SSI D3431
47.	E. coli	ref. SSI D4134
48.	Staphylococcus aureus	ref. EURL CPS FRI 137
49.	Staphylococcus aureus	ref. EURL CPS FRI 361
50.	Staphylococcus aureus	ref. EURL CPS A900322
51.	Staphylococcus aureus	ref. EURL CPS FRI S6
52.	Staphylococcus aureus	ref. EURL CPS FRI 326
53.	Listeria monocytogenes	ref. Anses 00EB248LM ref. collection Pasteur Institute Clip74902
54.	Listeria monocytogenes	ref. Anses EURL LM 00EB249LM ref. collection Pasteur Institute Clip74903
55.	Listeria monocytogenes	ref. Anses EURL LM

		00EB250LM ref. collection Pasteur Institute Clip74904
56.	Listeria monocytogenes	ref. Anses EURL LM 00EB254LM ref. collection Pasteur Institute Clip74908
57.	Listeria monocytogenes	ref. Anses EURL LM 00EB256LM ref. collection Pasteur Institute Clip74910
58	Listeria monocytogenes	ref. Anses EURL LM 00EB256LM ref. collection Pasteur Institute Clip74910
59	Norovirus G I	lenticule disc-Certified Reference Material from Public Health England
60	Norovirus G II	lenticule disc-Certified Reference Material from Public Health England
61	Hepatitis A virus	lenticule disc-Certified Reference Material from Public Health England

Form A, part 1 (ii)

If no BSL4 facility is declared in Form A, part 1 (i), indicate the highest biosafety level implemented in facilities handling biological agents¹⁰ on a State Party's territory:

Biosafety level 3 ¹¹	no
Biosafety level 2 ¹² (if applicable)	yes

The Institute for Control of Veterinary Biological Products and Medicines (ICVBPM), located in 39, Dudului Street, sector 6, Bucharest, Romania, is a unit with juridical status, functioning as a national reference institute, under the technical subordination of the National Sanitary Veterinary and Food Safety Authority. ICVBPM has competence in the field of veterinary medicinal products, biocides, feed additives, diagnosis sets, other veterinary products (vitamins, mineral supplements and cosmetics).

The main task with relevance on these issues is quality control of veterinary of live and inactivated vaccines for bacterial, viral, parasites:

¹⁰ Microorganisms pathogenic to humans and/or animals

¹¹ In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

¹² In accordance with the latest edition of the WHO Laboratory Biosafety Manual and/or the OIE Terrestrial Manual or other equivalent internationally accepted guidelines.

- live vaccines against distemper, infectious hepatitis, infectious laryngotracheitis, parvovirus and parainfluenza in dogs,
- inactivated vaccine for rabies,
- live and inactivated vaccines for panleucopenia, calicivirus and herpesvirus infection of cats,
- live and inactivated vaccines for IBR, BVD and SRB of bovine,
- rabies live vaccine for oral immunization in foxes,
- live vaccines against Aujeszky virus for pigs,
- live vaccine against myxomatosis and inactivated vaccines for Infectious Rabbit Hemorrhagic Disease,
- live vaccine against infectious bronchitis in poultry, infectious bursitis in poultry (Gumboro disease), Newcastle disease in poultry, inactivated vaccine against the egg drop syndrome, Inactivated vaccine against Newcastle disease and infectious bursitis in poultry,
- vaccine against porcine parvovirus, inactivated,
- vaccine against leptospirosis in dogs and furry animals
- inactivated vaccine against equine influenza and tetanus,
- inactivated vaccines against parvovirus and swine erysipelas,
- live vaccine against anthrax with B. Anthracis, attenuated strain 1190 R,
- live vaccines for Salmonella in poultry.
- vaccine inactivated against avian Cholerae.

Quality control of veterinary pharmaceutical products (antimicrobial, anti-inflammatory, antiparasitics, etc.). To perform the quality control of pharmaceutical products is used the microorganisms test as bellow:

- Staphylococcus aureus ATCC 6538,
- Bacillus subtilis ATCC 6633, NCTC 2589,
- Pseudomonasaeruginosa ATCC 9027,
- Clostridium sporogenes ATCC 11437,
- Candida albicans ATCC 10231,
- Aspergillus Brasiliensis ATCC16404,
- Escherichia coli ATCC 8739, ATCC 10536, ATCC 1133,
- Salmonella enterica subsp. Enterica serovariant typhimurium ATCC 14028,
- Saccharomyces cerevisiae ATCC 2601,
- Micrococcus luteus ATCC 10240, ATCC 9341,
- Bordetella bronchiseptica ATCC 4617,
- Bacillus pumilus NCTC 8241, CIP 76.18,
- Staphylococcus epidermitis NCIMB 8853, CIP 68.21, ATCC 12228,
- Candida tropicalis CIP 1433-83, NCYC 1393,
- Bacillus spizizenii ATCC 4617,
- Streptococcus faecalis 8043.

Diagnostic test kits: for viral, bacterial and parasites disease by following tests: ELISA, immunodiffusion test, complement bond reaction, slow and quick agglutination, immunofluorescent test, immunoperoxidase test.

Any additional relevant information as appropriate:

The laboratories' s activities are organized and performed according to ISO 17025:2005 requirements and ISO 9001:2008 requirements.

Confidence-Building Measure "C"

Encouragement of publication of results and promotion of use of knowledge

At the Third Review Conference it was agreed that States parties continue to implement the following:

Encouragement of publication of results of biological research directly related to the Convention, in scientific journals generally available to States parties, as well as promotion of use for permitted purposes of knowledge gained in this research.

Modalities

The Third Review Conference agreed on the following:

1. It is recommended that basic research in biosciences, and particularly that directly related to the Convention should generally be unclassified and that applied research to the extent possible, without infringing on national and commercial interests, should also be unclassified.
2. States parties are encouraged to provide information on their policy as regards publication of results of biological research, indicating, *inter alia*, their policies as regards publication of results of research carried out in research centres and laboratories subject to exchange of information under item A and publication of research on outbreaks of diseases covered by item B, and to provide information on relevant scientific journals and other relevant scientific publications generally available to States parties.
3. The Third Review Conference discussed the question of cooperation and assistance as regards the safe handling of biological material covered by the Convention. It concluded that other international forums were engaged in this field and expressed its support for efforts aimed at enhancing such cooperation.

Romania encourages the publication of results of biological research directly related to the Convention, provided it is in compliance with good biosecurity practice.

- **Scientific meetings / Scientific communications / posters (2015)**

Daniela BOTUS, Virgilia POPA, Leigh NOGY, J. COTTER, M. CULCESCU, E. CAPLAN, Jenica BUCUR, G. STRATULAT 2015, The etiologic agents diagnosed by ELISA and PCR in respiratory syndromes in birds in Romania , during the period of January 2013 - September 2014, SMVPAAMR quarterly meeting (Romanian Veterinarians Society in Avian and Small Animals Pathology), ASAS (Academy of Agricultural Sciences and Forestry), Bucharest, March 2015 /

Mirela POPA, Miliana PETROF 2015, *Clostridium perfringens* and food poisoning, "From farm to fork - one health. Food borne diseases", Symposium organized by the Romanian Society for Microbiology in partnership with I. Cantacuzino, Bucharest, June 25-26 /

Dana Magdalena CAPLAN, M. E. CAPLAN, Nicoleta ANDREESCU 2015, Adhesion and invasion phenomenon in listeriosis transmission, "From farm to fork - one health. Food borne diseases", Symposium organized by the Romanian Society for Microbiology in partnership with I. Cantacuzino, Bucharest, June 25-26 /

Daniela BOTUS, Virgilia POPA, Jenica BUCUR, M. CULCESCU, G. STRATULAT 2015, Avian salmonellosis - serological and molecular monitoring, Adhesion and invasion phenomenon in listeriosis transmission, "From farm to fork - one health. Food borne diseases", Symposium organized by the Romanian Society for Microbiology in partnership with I. Cantacuzino, Bucharest, June 25-26 /

Viviana CIUCA, Victorita BURGHELEA, M. DANES, V.V. SAFTA, Daniela NITA, Adelina RAICU 2015, Validation studies of microbiological method for determining the potency of avian tuberculin purified protein derivate, 8th National Conference of Microbiology and Epidemiology, Bucharest, November 12 - 14, 2015 /

M. CULCESCU, Roua POPESCU, A.POPOVICI, G.STOIAN 2015, Prebiotic effect of Helianthus tuberosus inulin on Plymouth Rock Barat chicken, 13th International Symposium of Animal Biology and Nutrition "45 years of animal nutrition research in service of the Romanian animal husbandry", organized by the National Research-Development Institute for Animal Biology and Nutrition – IBNA Balotești, Ilfov, October 15th, http://www.ibna.ro/simpozion/Carte_rezumat_2015.pdf /

▪ **Published papers 2015**

Viviana CIUCA, Victorita BURGHELEA, M. DANES, V.V. SAFTA, Olga CASU, Ramona NICULICIOIU 2015, Mathematical modeling for determining the potency of bovine tuberculin purified protein derivative (P.P.D.), Veterinary drug 9 (20): 71-75 (ISSN 2069-2463), http://www.veterinarypharmacon.com/docs/1599-2015_VD2_Art.7_ENG..pdf /

Daniela LORIN, A.C. STANCU, V. TEUSDEA, Elena MITRANESCU, R.T. CRISTINA, Dora ORBOI, Ramona Amina POPOVICI, M.C. PENTEA 2015, Use of Adapted Diffusion Method as Preliminary Assay for Antifungal Biocides Efficacy Currently Used in Decontamination, Rev. Chim. 12 (66): 1978-1081 (ISSN 0034-7752), <http://www.revistadechimie.ro/pdf/LORIN%2012%2015.pdf> /

Daniela LORIN, V. TEUSDEA, Elena MITRANESCU, L. STEF, C.L. MOSNEAG, R.T. CRISTINA, The mycobiota composition in eight Romanian representative poultry and swine farms, Rom. Biotechnol Lett (accepted) (ISSN 1224-5984) /

Ionica IANCU, Virgilia POPA, J. DEGI, N. CATANA 2015, Research regarding on the frequency of characteristics genes of APEC strains, Lucrari Stiintifice - Universitatea de Stiinte Agricole a Banatului Timisoara, Medicina Veterinara 3 (48): 65-68 (ISSN 1221-5295), http://www.usab-tm.ro/utilizatori/medicinaveterinara/file/simpozion%202015/VOL_%20XLVIII-3_2015_Complete.pdf / <http://www.cabdirect.org/abstracts/20153340069.html;jsessionid=658A9A39BB53A5C70AC5A00A27D09699> /

Iulia BUCUR, Virgilia POPA, N CATANA 2015, Research regarding the resistance phenotypes in staphylococci isolated from bovine mastitis, Lucrari Stiintifice - Universitatea de Stiinte Agricole a Banatului Timisoara, Medicina Veterinara 2 (48): 36-39 (ISSN 1221-5295), http://www.usab-tm.ro/utilizatori/medicinaveterinara/file/simpozion%202015/VOL_%20XLVIII-2_2015_complete.pdf / <http://www.cabdirect.org/abstracts/20153331181.html> /

N. CATANA, Iulia BUCUR, Virgilia POPA 2015, Research on the frequency of staphylococcal species isolated from subclinical mastitis primiparous bovines, Lucrari Stiintifice - Universitatea de Stiinte Agricole a Banatului

Timisoara, Medicina Veterinara 2 (48): 44-48 (ISSN 1221-5295), http://www.usab-tm.ro/utilizatori/medicinaveterinara/file/simpozion%202015/VOL_%20XLVIII-2_2015_complete.pdf, <http://www.cabdirect.org/abstracts/20153331182.html> /

Daniela BOTUS, Virgilia POPA, Leigh NOGY, J. COTTER, M. CULCESCU, E. CAPLAN, Jenica BUCUR 2015, Aspects regarding to respiratory diseases in poultry farms from Romania during 2013-2014 determined by ELISA and PCR assays, *Lucrari Stiintifice - Universitatea de Stiinte Agricole a Banatului Timisoara, Medicina Veterinara 2 (48): 23-35 (ISSN 1221-5295)*, http://www.usab-tm.ro/utilizatori/medicinaveterinara/file/simpozion%202015/VOL_%20XLVIII-2_2015_complete.pdf, <http://www.cabdirect.org/abstracts/20153331175.html?start=161250> /

Virgilia POPA, Daniela BOTUS, D. MILITARU, Beatrice STIRBU 2015, Methodology for evaluation of the effect of an active ingredient on the animal cell by quantifying the expression of genes involved in cell apoptosis, Ministry of Agriculture and Rural development – Academy of Agricultural and Forestry Sciences (MARD-AAFS), The research offer for technology transfer in agriculture, food industry and forestry, Coordinator Prof. Dr. Gheorghe SIN, President of AA, *Ed. Academiei Romane (ISSN 1844-0355), 18:221*, <http://www.asas.ro/wcmqs/academia/publicatii/OfertaCercetariiStiintificeXVIII.pdf>

D. MILITARU, Beatrice STIRBU, Virgilia POPA, Daniela BOTUS 2015, Methodology for evaluation of the effect of an active ingredient on the animal cell by quantifying the activity of caspase 3 (apopaine) that mediates cell apoptosis, Ministry of Agriculture and Rural development – Academy of Agricultural and Forestry Sciences (MARD-AAFS), The research offer for technology transfer in agriculture, food industry and forestry, Coordinator Prof. Dr. Gheorghe SIN, President of AA, *Ed. Academiei Romane (ISSN 1844-0355), 18:222*,

<http://www.asas.ro/wcmqs/academia/publicatii/OfertaCercetariiStiintificeXVIII.pdf>

Daniela LORIN 2015, Method for measuring the anti-fungal activity on biofilm forming yeasts of the commercial products used for the decontamination programs of animal farms, Ministry of Agriculture and Rural development – Academy of Agricultural and Forestry Sciences (MARD-AAFS), The research offer for technology transfer in agriculture, food industry and forestry, Coordinator Prof. Dr. Gheorghe SIN, President of AA, Ed. Academiei Romane (ISSN 1844-0355), 18:223, <http://www.asas.ro/wcmqs/academia/publicatii/OfertaCercetariiStiintificeXVIII.pdf>

Mirela POPA, Miliana Gabriela PETROF 2015, Molecular methodology for pathotyping the *Clostridium perfringens* strains, Ministry of Agriculture and Rural development – Academy of Agricultural and Forestry Sciences (MARD-AAFS), The research offer for technology transfer in agriculture, food industry and forestry, Coordinator Prof. Dr. Gheorghe SIN, President of AA, Ed. Academiei Romane (ISSN 1844-0355), 18:226-7, <http://www.asas.ro/wcmqs/academia/publicatii/OfertaCercetariiStiintificeXVIII.pdf>

Virgilia POPA, E.M. CAPLAN, Daniela BOTUS, I. SORESCU, M. CULCESCU 2015, Classical PCR test for molecular detection of *Actinobacillus pleuropneumoniae* by based on *omlA* gene sequence, Ministry of Agriculture and Rural development – Academy of Agricultural and Forestry Sciences (MARD-AAFS), The research offer for technology transfer in agriculture, food industry and forestry, Coordinator Prof. Dr. Gheorghe SIN, President of AA, Ed. Academiei Romane (ISSN 1844-0355), 18:228-9, <http://www.asas.ro/wcmqs/academia/publicatii/OfertaCercetariiStiintificeXVIII.pdf>

Confidence-Building Measure "E"

Declaration of legislation, regulations and other measures

At the Third Review Conference the States parties agreed to implement the following, later amended by the Seventh Review Conference:

As an indication of the measures which they have taken to implement the Convention, States parties shall declare whether they have legislation, regulations or other measures:

(a) To prohibit and prevent the development, production, stockpiling, acquisition or retention of the agents, toxins, weapons, equipment and means of delivery specified in Article I of the Convention, within their territory or anywhere under their jurisdiction or under their control anywhere;

(b) In relation to the export or import of micro-organisms pathogenic to man, animals and plants or of toxins in accordance with the Convention;

(c) In relation to biosafety and biosecurity.

States parties shall complete the attached form (Form E) and shall be prepared to submit copies of the legislation or regulations, or written details of other measures on request to the Implementation Support Unit (ISU) within the United Nations Office for Disarmament Affairs or to an individual State party. On an annual basis States parties shall indicate, also on the attached form, whether or not there has been any amendment to their legislation, regulations or other measures.

Form E

Declaration of legislation, regulations and other measures

Relating to	Legislation	Regulations	Other measures	Amended since last year
(a) Development, production stockpiling, acquisition or retention of microbial or other biological agents, or toxins, weapons, equipment and means of delivery specified in Article I	Yes	Yes	No	No
(b) Exports of micro-organisms and toxins	Yes	Yes	No	Yes
(c) Imports of micro-organisms and toxins	No	No	No	No
(d) Biosafety and biosecurity	Yes	Yes	Yes	No

Name of legislation, regulations and other measures

No	Specification	No	Year	Topic
1.	Commission Delegated Regulation (EU)	2420	2015	Amending Council Regulation (EC) No 428/2009 setting up a Community regime for the control of exports, transfer,

				brokering and transit of dual-use items
2.	Government Ordinance	12	2012	Modifying Government Ordinance No 119/2010
3.	Law	35	2013	Approving Government Ordinance No 12/2012
4.	Order of the Minister of Foreign Affairs	914	2012	Approving the regulation for implementing the provisions of Government Ordinance No 119/2010 regarding the control regime of dual-use operations

Confidence-Building Measure "G"

Declaration of vaccine production facilities

To further increase the transparency of biological research and development related to the Convention and to broaden scientific and technical knowledge as agreed in Article X, each State party will declare all facilities, both governmental and non-governmental, within its territory or under its jurisdiction or control anywhere, producing vaccines licensed by the State party for the protection of humans. Information shall be provided on Form G attached.

Form G

Declaration of vaccine production facilities

1. Name of facility: **National Institute of Research (NIR) "Cantacuzino"**
2. Location (mailing address): **Independentei 103 – 105, 050096, District 5, Bucharest**
3. General description of the types of diseases covered: **Influenza vaccine (trivalent, pandemic – monovalent), BCG**

Northern Hemisphere Influenza vaccine (Trivalent) is manufactured at this facility - Cultivation of egg adapted influenza virus is performed. During the last influenza pandemic (A/H1N1v) monovalent vaccine has been manufactured.

Vaccine against tuberculosis is manufactured at this facility (using Calmette Guerin strain).

In 2015 there was no vaccine production in NIR "Cantacuzino" due to several financial drawbacks. However, the manufacturing capacities are not affected and vaccine production could start anytime.

Form G

Declaration of vaccine production facilities

1. Name of facility: **S.C. Pasteur – Filiala Filipesti SRL, working point Bucharest**
2. Location (mailing address): **333, Giulesti Str., 060269 Bucharest, district 6, Romania, phone: +40212206920; fax: +40212206915; e-mail: pasteur.as@pasteur.ro**
3. General description of the types of diseases covered: **animal diseases (viral, bacterial, parasitic and nutritional diseases).**

Form G

Declaration of vaccine production facilities

1. Name of facility: **S.C. Romvac Company S.A.**
 2. Location (mailing address): **Şos. Centurii, no. 7, Voluntari, IF 077109**
 3. General description of the types of diseases covered: **Carboromvac – live antrax vaccine for animals: cattle, sheep, goats, horses and swine**
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