

**Agreed Forms for the Submission of the Confidence-Building Measures**

**1. 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
A, part I	<input type="checkbox"/>	<input type="checkbox"/>
A, part 2 (i)	<input type="checkbox"/>	<input type="checkbox"/>
A, part 2 (ii)	<input type="checkbox"/>	<input type="checkbox"/>
A, part 2 (iii)	<input type="checkbox"/>	<input type="checkbox"/>
B (i)	<input type="checkbox"/>	<input type="checkbox"/>
B (ii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C	<input type="checkbox"/>	<input type="checkbox"/>
D	<input type="checkbox"/>	<input type="checkbox"/>
E	<input type="checkbox"/>	<input type="checkbox"/>
F	<input checked="" type="checkbox"/>	<input type="checkbox"/>
G	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(Please mark the appropriate box(es) for each measure, with a tick.)

Date: **22 AUGUST 2011**

State Party to the Convention: **ROMANIA**

**Part 1: Exchange of data on research centres and laboratories<sup>1</sup>**

1. Name(s) of facility<sup>2</sup> **Army Center for Medical Research**
2. Responsible public or private organization or company **Ministry of National Defence**
3. Location and postal address **Bucharest, C.A.Rosetti street no.37 Sector 2**
4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of National Defence

**Partly financed by the Ministry of National Defence**

5. Number of maximum containment units<sup>3</sup> within the research centre and/or laboratory, with an indication of their respective size (m<sup>2</sup>)

**0 sqm**

6. If no maximum containment unit, indicate highest level of protection

**P2=52 sqm****P3=24 sqm (under construction)****P4=11 sqm (under construction)**

7. Scope and general description of activities, including type(s) of micro-organisms and/or toxins as appropriate

**Medical protection against BW (bacterial, viral and toxins as biological agents) e.g. Bacillus anthracis, Brucella spp, arboviruses, aflatoxins etc.**

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<sup>1</sup>The containment units which are fixed patient treatment modules, integrated with laboratories, should be identified separately.

<sup>2</sup>For facilities with maximum containment units participating in the national biological defence research and development programme, please fill in name of facility and mark "Declared in accordance with Form A, part 2 (iii)".

<sup>3</sup>In accordance with the 1983 WHO Laboratory Biosafety Manual, or equivalent

**National biological defence research and development programme Declaration**

Is there a national programme to conduct biological defence research and development within the territory of the State Party, under its jurisdiction or control anywhere? Activities of such a programme would include prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research.

Yes: **prophylaxis, diagnostic techniques, detection, treatment, toxinology, decontamination.**

If the answer is Yes, complete Form A, part 2 (ii) which will provide a description of the programme.

**National biological defence research and development programme**

**Description**

1. State the objectives and funding of the programme and summarize the principal research and development activities conducted in the programme. Areas to be addressed shall include: prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research.

**-prophylaxis=POS**

**-studies on pathogenicity and virulence= no**

**-diagnostic techniques=PCR, ELISA, MS MALDI, MiniApi, microscopy etc.**

**-aerobiology, no**

**-detection=no**

**-treatment=sensibility tests for antibiotics**

**-toxinology=acute toxinological tests for mycotoxins**

**-physical protection, no**

**-decontamination =antimicrobial tests for disinfectants**

**-and other related research=new epidemiological device**

2. State the total funding for the programme and its source.

**- Ministry of National Defence**

**- National Programmes for Research**

3. Are aspects of this programme conducted under contract with industry, academic institutions, or in other non-defence facilities?

**Yes**

4. If yes, what proportion of the total funds for the programme is expended in these contracted or other facilities?

**80%**

5. Summarize the objectives and research areas of the programme performed by contractors and in other facilities with the funds identified under paragraph 4.

**-decontamination =antimicrobial tests for disinfectants**

6. Provide a diagram of the organizational structure of the programme and the reporting relationships (include individual facilities participating in the programme).

7. Provide a declaration in accordance with Form A, part 2 (iii) for each facility, both governmental and non-governmental, which has a substantial proportion of its resources devoted to the national biological defence research and development programme, within the territory of the reporting State, or under its jurisdiction or control anywhere.

**National biological defence research and development programme**

**Facilities**

(ii). Complete a form for each facility declared in accordance with paragraph 7 in Form A, part 2

In shared facilities, provide the following information for the biological defence research and development portion only.

1. What is the name of the facility?

**Microbiological and epidemiological Ward (Microbiological Laboratory and Epidemiological Laboratory)**

2. Where is it located (include both address and geographical location)?

**Army Center for Medical Research, Bucharest, C.A.Rosetti street no.37 and External facility Bucharest “Cernica Fort”**

3. Floor area of laboratory areas by containment level:

**BL2 52 (sqM)**

**BL3 24 (sqM) (under construction)**

**BL4 11 (sqM) (under construction)**

**Total laboratory floor area 520 (sqM)**

4. The organizational structure of each facility.

(I) Total number of personnel **10**

(ii) Division of personnel:

Military **0**

Civilian **10**

(iii) Division of personnel by category:

Scientists **6**

Engineers **0**

Technicians **3**

Administration and support staff **1**

(iv) List the scientific disciplines Represented in the scientific/engineering staff.

**-medicine**

**-biology**

**-veterinary**

(v) Are contractor staff working in the facility? If so, provide an approximate number.

No

(vi) What is (are) the source(s) of funding for the work conducted in the facility, including indication if activity is wholly or partly financed by the Ministry of National Defence?

**Partly**

(vii) What are the funding levels for the following programme areas:

Research	<b>national</b>
Development	<b>national</b>
Test and evaluation	<b>military</b>

(viii) Briefly describe the publication policy of the facility:

**confidential**

(ix) Provide a list of publicly-available papers and reports resulting from the work during the previous 12 months. (To include authors, titles and full references.)

**- Ordeanu V., Voicu V.A., Neculescu M., Postoarca A., Popescu D., Ionescu L., Bicheru S., Secara c., Patranichi B. "Pharmaceutical Microbiology Research for the Physicalchemical Features and the Testing of the Biological Activity of Certain New Thioureides with Potentially Anti-infectious Action" Rev. Therapeutics, Pharmacology and Clinical Toxicology (A) No. 3, 2010, pp 320-329**

5. Briefly describe the biological defence work carried out at the facility, including type(s) of micro-organisms\* and/or toxins studied, as well as outdoor studies of biological aerosols.

**Bacillus anthracis**

**Brucella spp**

**West Nile Virus**

**TBE Virus**

**aflatoxins**

Testing for biological agents (simulators) decontamination in field (Training team NBC Defance)

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\*Including viruses and prions.

**Background informational on outbreaks of reportable infectious diseases in Romania  
(2010)**

<b>Disease</b>	<b>Number of cases per 2010</b>
Acute diarrhoeal diseases	75092
Bacillary dysentery	259
Cerebrospinal meningitis	59
Erysipelas	1241
Food poisoning	946
Leptospirosis	171
Measles	193
Parotiditis	286
Rubella	351
Streptococcal angina	10498
Scarlet fever	1659
Tetanus	9
Varicella	36504
Viral hepatitis	4518
Whooping cough	29

## 4. CONFIDENCE-BUILDING MEASURE "C":

**- Encouragement of publication of results and promotion of use of knowledge****Published papers 2010**

1. **Ana Csuma, Ana Cismileanu 2010, LC-MS/MS analysis of albendazol and its metabolites in animal tissues, Veterinary Drug 4 (2): 35-41, ISSN 2069-2463 / ISSN 1843-9526, [http://www.veterinarypharmacon.com/page/vet\\_drug\\_download](http://www.veterinarypharmacon.com/page/vet_drug_download)**
2. **Catana N., Virgilia Popa, V. Herman, Ionica Fodor 2010, Laboratory research diagnosis of the infection with porcine circovirus type 2 in young swine, *Lucrări Stiințifice de Medicină Veterinară (Scientifical Papers Veterinary Medicine, ISSN:1221-5295) USAMV Timișoara*, 43(1): 106 – 109**
3. **Faur B., Virgilia Popa, V. Herman, Corina Pascu, Luminita Costinar, Ioana Vaduva, Anca Surpat, Sorina Irimie 2010, Mycoplasma flocculare isolated from pig lung, *Lucrări Stiințifice de Medicină Veterinară (Scientifical Papers Veterinary Medicine, CNCSIS B259, ISSN:1221-5295) USAMV Timișoara*, 43(1): 148 – 151**
4. **Botus Daniela, Virgilia Popa, E. Caplan, F. Pastrama, M.Pirvulescu 2010, Validation of an immunoenzymatic assay for detection of antibodies against avian infectious laryngotracheitis virus, *Lucrări Stiințifice de Medicină Veterinară (Scientifical Papers Veterinary Medicine, ISSN:1221-5295) USAMV Timișoara*, 43(1): 197 – 204**
5. **Botus Daniela, Virgilia Popa, O. Radulescu, Jenica Bucur 2010, Serological data of avian infectious diseases during 2009, *Lucrări Stiințifice de Medicină Veterinară (Scientifical Papers Veterinary Medicine, ISSN:1221-5295) USAMV Timișoara*, 43(1): 187 – 196**
6. **Virgilia Popa, Irina Codita, Vasilica Ungureanu, Lucretia Negrariu, Cătălina Gheorghe, Carmen Moisoiu, Florin Pastramă, Ionut Sorescu, Nicolae Catana, Gheorghe Rapuntean 2010, Research regarding to the use and in vitro testing of antibiotic association in veterinary medecine, *Avicol magazine / Bulletin of Romanian Veterinary Society in Avian and Small Animal Pathology* 3: 5 – 11, ISSN 1841 – 0472.**
7. **Virgilia Popa, Daniela Botuș, Emilia Voinovschi, Emilia Simion 2010, Real time PCR assay for molecular identifying and quantifying of classical swine fever virus based on 5' utr sequence, Academy of Agricultural and Forestry Sciences, Scientific research offer for tehnological transfer in agriculture, food industry and forestry, Ed. New Agris ISSN 1844-0355**
8. **Virgilia Popa, Daniela Botuș, Emilia Voinovschi, Emilia Simion, Mirela Popa 2010, Real time PCR assay for molecular identifying of rabies virus (Lyssavirus) based on nucleoprotein sequence, Academy of Agricultural and Forestry Sciences, Scientific research offer for tehnological transfer in agriculture, food industry and forestry, Ed. New Agris ISSN 1844-0355**



9. **Virgilia Popa, Daniela Botuș, Emilia Voinovschi, Emilia Simion 2010**, Classical multiprimer PCR assay for concomitant detection of porcine parvovirus (PPV) and porcine circovirus 2 (CPV2), Academy of Agricultural and Forestry Sciences, Scientific research offer for tehnological transfer in agriculture, food industry and forestry, Ed. New Agris ISSN 1844-0355
10. **Virgilia Popa, Daniela Botuș, Emilia Voinovschi, Emilia Simion 2010**, Classical multiprimer PCR assay for concomitant detection of Aujeszky virus (PRV) and porcine adenovirus B/4 (PAdV4 / PAV4), Test multiplex PCR clasic pentru detectia concomitenta a virusului bolii Aujeszky (PRV) si a adenovirusului porcine B/4 (PAdV4 / PAV4), Academy of Agricultural and Forestry Sciences, Scientific research offer for tehnological transfer in agriculture, food industry and forestry, Ed. New Agris ISSN 1844-0355
11. **Constantin C, Neagu M, Ion R-M, Gherghiceanu M, Stavaru C.** „Fullerene-porphyrin nanostructures in photodynamic therapy” Nanomedicine (Lond) 2010 Feb;5(2):307-17.
12. **Tanasa RI, Trad A, Lange H, Grötzinger J, Lemke H.** „Allergen IgE-isotype-specific suppression by maternally derived monoclonal anti-IgG-idiotype” 2010. Allergy 65: 16-23.
13. **Stanescu A, Muscat M, Romaniuc A, Pipirigeanu R, Lupulescu E, Necula G, Lazar M, Molnar G, Pisto A.** “Spotlight on measles 2010: An ongoing measles outbreak in the district of Neamt, Romania, August – September 2010” Eurosurveillance, Volume 15, Issue 40, 07 October 2010
14. **Israil AM, Delcaru C, Palade R.S., Chifiriuc C, Iordache C, Vasile D., Grigoriu M, Voiculescu D.** “Bacteriological Aspects implicated in Abdominal Surgical Emergencies.” Chirurgia 2010, 105: 779-787 Nr. 6, Noiembrie – Decembrie
15. **Nuta DC, Balotescu Chifiriuc C, Missir AV, Chirita IC, Badiceanu CD.** “*In vitro* evaluation of the antibacterial and antifungal activity of some new n-(2-dialkylaminoethyl)benzanilides. FARMACIA, 2010, Vol. 58, 1, 38
16. **Chifiriuc MC, Stecoza C, Dracea O, Larion C, Israil AM.** „Antimicrobial activity of some new O-acyloximino-dibenzo[b,e]thiepins and O-acyloximino-dibenzo[b,e]thiepin-5,5-dioxides against planktonic cells” - RBL, Vol. 15, No.2, 2010, 5134-5139

#### **Posters, oral communications presented in conferences in 2010**

1. **Țucureanu C., Caraș I, Lerescu L, Melinceanu L, Pitica R, Costea R., Gangură G, Neagu S , Sarafoleanu C, Salageanu A** “Perioperative immune profile in cancer patients”, The 6th Balkan Congress of Immunology of BAIS, 28 April – 1 May 2010, Sibiu, Romania, Volum rezumate, pag 26, ISBN 978-973-88744-3-5
2. **Pitica R, Caraș I, Țucureanu C., Lerescu L, Salageanu A** “Human monocytic leukemia cell line THP-1 as a model for studying activation of Toll-like receptors” The 6th Balkan Congress of Immunology of BAIS, 28 April – 1 May 2010, Sibiu, Romania, Volum rezumate, pag 9, ISBN 978-973-88744-3-5
3. **Caraș I, Țucureanu C., Pitica R, Lerescu L, Onu A., Salageanu A** “Cantastim activates human macrophages by interaction with Toll-like receptor 2” The 6th Balkan Congress of Immunology of BAIS, 28 April – 1 May 2010, Sibiu, Romania, Volum rezumate, pag 9, ISBN 978-973-88744-3-5

4. Adina Daniela Iancu, Beatrice Mihaela Radu, M Radu, Crina Stavaru, D.L. Radu. Double Transgenic Mice with Type 1 Diabetes – A Study Model of Diabetic Neuropathy. *IMMUNOLOGY AND CLINICAL ALLERGOLOGY JOINT MEETING*, 28 April – 1 May 2010, Sibiu, Romania.
5. Crina Stavaru, Emilia Lupulescu, C. Coman, O. Rasid, Adina Daniela Iancu, Alina Baetel, G. Necula, E. Ionita, L. Berbecila, E. Vlase, V. Alexandrescu, Margareta Mazilu, D.L. Radu, A. Onu. Comparative Study of Influenza Vaccine Immunogenicity. *IMMUNOLOGY AND CLINICAL ALLERGOLOGY JOINT MEETING*, 28 April – 1 May 2010, Sibiu, Romania.
6. Adina Daniela Iancu, Marina Pana, D.L. Radu. Experimental Murine Models of Infection with Sptreptococcus Pyogenes and Celullar Imune Response. *IMMUNOLOGY AND CLINICAL ALLERGOLOGY JOINT MEETING*, 28 April – 1 May 2010, Sibiu, Romania.
7. O. Rasid, Adina Daniela Iancu, D.L. Radu, Crina Stavaru. Preliminary Study of Baseline Breathing Parameters in Adult Mice by Whole Body Plethysmography. *IMMUNOLOGY AND CLINICAL ALLERGOLOGY JOINT MEETING*, 28 April – 1 May 2010, Sibiu, Romania.
8. D.L. Radu. Immunoregulatory Therapeuthic Strategies in Insulin-Dependent Diabetes Mellitus. *IMMUNOLOGY AND CLINICAL ALLERGOLOGY JOINT MEETING*, 28 April – 1 May 2010, Sibiu, Romania.

### **Scientific meetings 2010**

#### **1. Annual scientific session of University of Agricultural Science and Veterinary Medicine Bucharest, 18-19 November 2010:**

- “Studies on diagnosis of Marek disease in broilers”, Ionica Fodor, N. Catana, V. Herman, Virgilia Popa;
- “PRRS and enzootic pneumonia in a fattening pig farm”, B.Faur, Virgilia Popa, V.Herman, Corina Pascu, Luminita Costinar, Ioana Vaduva, Anca Surpat, Sorina Irimie

#### **2. The 21 IPVS Congress, Vancouver, Canada - July 18-21, 2010:**

- “Identification of Mycoplasma flocculare by Multiplex PCR”, Boqdan Faur, Virgilia Popa, Viorel Herman, Corina Pascu, Luminita Costinar, Ioana Vaduva 2010,

### **Part II**

#### **International cooperation in scientific research**

<b>Responsible from Pasteur Institute</b>	<b>Project</b>	<b>Cooperation</b>
Virgilia Popa / Mihai Danes	Discontools, A European technology platform for global animal health, Development of the most effective tools to control infectious diseases in animals.	FP7-KBBE-2007-1

5. CONFIDENCE-BUILDING MEASURE "D":

Form D

**Active promotion of contacts**

1. Planned international conferences, symposia, seminars, and other similar forums for exchange

For each such event, the following information should be provided:

- name of the conference, etc. **Balkan Medical Military Committee, XV,  
May 2010, Pieria, Greece**
- arranging organization(s), etc. **BMMC / National Defence Ministry**
- time **May 2010**
- place **Pieria, Greece**
- main subject(s) for the conference, etc. **Military Medicine**
- conditions for participation **international**
- point of contact for further information, registration, etc. **www.BMMC.ro**

- name of the conference, etc. **Trilateral Forum on  
counterbioterrorism**
- arranging organization(s), etc. **USA, Romania, R. Moldova /  
National Defence Ministry**
- time **Octobre 2010**
- place **Chisinau, R. Moldova**
- main subject(s) for the conference, etc. **counterbioterrorism**
- conditions for participation **international**
- point of contact for further information, registration, etc. **www.BMMC.ro**

2. Information regarding other opportunities

**Military medical publication**

**Declaration of legislation, regulations and other measures**

<u>Relating to</u>	<u>Legislation</u>	<u>Regulations</u>	<u>Other measures</u>	<u>Amended since last year</u>
(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	NO
(c) Imports of micro-organisms and toxins	NO	NO	NO	NO

Annex to Form E

**Declaration of legislation, regulations. and other measures**

No	Specification	No	Year	Topic
1	Government Ordinance	119	2010	Regarding the control regime of dual use items operations