

German Democratic Republic 1/

Since the report given in 1989, no changes regarding research centers and laboratories occurred. Research institutes in the German Democratic Republic do not possess any unit or laboratory that correspond to the maximum containment criteria according to the biosafety guidelines set by the World Health Organization (Laboratory Biosafety Manual 1983).

The Friedrich-Loeffler-Institute in Greifswald has containment units used for diagnostic work and production of vaccines (foot-and-mouth disease).

Five institutions have containment units designed for diagnostic work, basic and applied research with the Human Immunodeficiency Virus (HIV). These are the following:

- . Central Institute of Cancer, GDR, Academy of Science, Berlin
- . Institute of Medical Virology, Faculty of Medicine, Humboldt University Berlin
- . Institute of Medical Immunology, Faculty of Medicine, Humboldt University Berlin
- . GDR Central Institute of Hygiene, Microbiology and Epidemiology, Berlin
- . Sächsisches Serumwerk Dresden

Detailed information (unchanged since the 1989 report) regarding the Friedrich-Loeffler-Institut, Insel Riems, is given in Annex 1, regarding the 5 HIV-Laboratories in Annexes 2 - 6.

The Section of Military Medicine, Ernst-Moritz-Arndt-University Greifswald (Annex 7), has a basic laboratory with appropriate personal protective and physical containment devices for diagnostic and applied research work in the field of communicable diseases, disinfectants and influenza prevention and therapy. The work is carried out with microorganisms of risk group II. There were no changes since the 1989 report.

Publications with regard to the work of the laboratories mentioned above are included in annex 8.

1/ See note above.

1. Name(s) of the research centre and/or laboratory Friedrich-Loeffler-Institute Insel Riems
2. Responsible public or private organization or company VEB Kombinat Veterinärimpfstoffe Dessau
3. Location and postal address DDR - 2201 Insel Riems Greifswald
4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Disarmament and Defence and the Ministry of Food, Agriculture and Forestry
5. Number of maximum containment units^x within the research centre and/or laboratory, with an indication of their respective size
No maximum containment laboratory.
6. If no maximum containment unit, indicate highest level of protection
One containment laboratory (100 m²)
7. Scope and general description of activities, including type(s) of microorganisms and/or toxins as appropriate
Molecularbiological analysis and cultivation of foot-and-mouth-disease viruses (classical Types)

x In accordance with the 1983 WHO Laboratory Biosafety Manual, or equivalent

1. Name(s) of the research centre and/or laboratory Central Institute of Cancer, Research Department of Virology
2. Responsible public or private organization or company Academy of Sciences, German Democratic Republic
3. Location and postal address Lindener Weg 80
DDR - 1115 Berlin-Buch
4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence
Academy of Science, partly financed by the Ministry of Public Health and Social Affairs
5. Number of maximum containment units^x within the research centre and/or laboratory, with an indication of their respective size
No maximum containment units
6. If no maximum containment unit, indicate highest level of protection
One containment laboratory, 30 m² size
7. Scope and general description of activities, including type(s) of microorganisms and/or toxins as appropriate
Isolation and cultivation of HIV for diagnostic work

x In accordance with the 1983 WHO Laboratory Biosafety Manual, or equivalent

1. Name(s) of the research centre and/or laboratory Institute of Medical Virology
Faculty of Medicine

2. Responsible public or private organization or company Humboldt University Berlin

3. Location and postal address Schumannstr. 20/21
DDR - 1040 Berlin

4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence

Financed by the Ministry of Education

5. Number of maximum containment units^x within the research centre and/or laboratory, with an indication of their respective size

No maximum containment unit

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

One containment laboratory, 20 m² size

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

Basic and applied research with HIV

x In accordance with the 1983 WHO Laboratory Biosafety Manual, or equivalent

1. Name(s) of the research centre and/or laboratory Institute for Medical Immunology
Faculty of Medicine

2. Responsible public or private organization or company Humboldt University Berlin,

3. Location and postal address Schumannstr. 20/21
DDR - 1040 Berlin

4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence
Financed by the Ministry of Education

5. Number of maximum containment units^x within the research centre and/or laboratory, with an indication of their respective size
No maximum containment unit

6. If no maximum containment unit, indicate highest level of protection
One containment laboratory, 30 m²

7. Scope and general description of activities, including type(s) of microorganisms and/or toxins as appropriate
Basic and applied research with HIV, hybridoma technology

x In accordance with the 1983 WHO Laboratory Biosafety Manual, or equivalent

1. Name(s) of the research centre and/or laboratory
GDR Central Institute of Hygiene, Microbiology and Epidemiology
2. Responsible public or private organization or company
Ministry of Public Health
3. Location and postal address
1190 Berlin - DDR
Britzer Str. 1/3
4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence
Ministry of Public Health
5. Number of maximum containment units^x within the research centre and/or laboratory, with an indication of their respective size
No maximum containment unit
6. If no maximum containment unit, indicate highest level of protection
One containment laboratory, 50 m²
7. Scope and general description of activities, including type(s) of microorganisms and/or toxins as appropriate
National Reference Laboratory on HIV, diagnostic work, applied research

^x In accordance with the 1983 WHO Laboratory Biosafety Manual, or equivalent

1. Name(s) of the research centre and/or laboratory Sächsisches Serumwerk
Dresden

2. Responsible public or private organization or company Ministry of Public Health

3. Location and postal address Herbert-Bochow-Str. 40
DDR - Dresden, 8010

4. Source(s) of financing of the reported activity, including indication if the activity is wholly or partly financed by the Ministry of Defence

Ministry of Public Health

5. Number of maximum containment units^x within the research centre and/or laboratory, with an indication of their respective size

No maximum containment unit

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

One containment laboratory, 100 m²

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

Development and production of HIV reagents

x In accordance with the 1983 WHO Laboratory Biosafety Manual, or equivalent

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In 1989, and up to 30 April 1990, no outbreaks of infectious diseases or similar diseases deviating from the normal pattern have occurred in this country. The information on infectious diseases surveillance in the German Democratic Republic has been included in the 1988 report. There were no changes. Quarterly and annual Epidemiological Reports on reportable infectious diseases (including diseases caused by organisms which meet the criteria for risk groups III and IV according to the classification in the 1983 WHO Laboratory Biosafety Manual) have been forwarded to Headquarters, Geneva, and Regional Office, Copenhagen, of the World Health Organization.

(Original: English)

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Publications with regard to the work of laboratories (Annex 1 - 7)

Friedrich-Loeffler-Institut, Insel Riems

Benndorf, E. u. Kotterba, G. (1990)

Wissenschaftlich-technische Aspekte bei der veterinärhygienischen Absicherung der experimentellen Arbeiten mit Tierseuchenerregern in Forschung und Impfstoffproduktion. Monatshefte Vet.med. 45, 198 - 201.

Institut of Medical Virology, Humboldt-University Berlin

I. Takahshi, M. Takama, A.M. Ladhoff u. D. Scholz (1989)
Envelope structure model of Human Immunodeficiency Virus Type I. J. of Acquired Immune Deficiency Syndroms 2, 136 - 140.

E. Matthes, Ch. Lehmann, M. v. Janta-Lipinski, and D. Scholz (1989)
Inhibition of HIV-Replication by 3'-Fluoro-modified nucleosides with low cytotoxicity. Biochem. Biophys. Res. Comm. 165, 488 - 495.

G.P. Borisova, I. Berzins, P.M. Pushko, P. Pumpen, VV. Tsibinogin, V. Loseva, V. Ose, R. Ulrich, H. Siakkou, and H.A. Rosenthal (1989)
Recombinant core particles of hepatitis B virus exposing foreign antigenic determinants on their surface. FEBS Lett. 259, 121 - 124.

R. Ullrich, R. Möhring, I. Lätzsch, H. Siakkou, G. Petzold, S. Dittmann, R. Rosenthal, and H.A. Rosenthal (1989)
Synthese in E.coli und Immunreaktivität von HIV- und anderen Transmembranproteinen. Zeitschr. Klin. Med. 45, 347 - 349.

GDR Central Institute of Hygiene, Microbiology and Epidemiology, Berlin

Dittmann, S. und Petzold, G. (1990)
Zum erstmaligen Nachweis von HIV-2-Infektionen in der DDR. Z. Klin. Med. 45, 305 - 307.

Section of Military Medicine, Ernst-Moritz-Arndt-University Greifswald

H. Tischner, E.-J. Finke, O. Totzke, M. Popp (1990)
Vergleichende Untersuchungen zur Wirksamkeit der Schutzimpfung gegen Virusgrippe mit parenteral und oral applizierten Impfstoffen. Z. Erkrank. Atm.-Org., in press

E.-J. Finke, B. Henkel, H. Herzog, B. Wogawa (1990)
Hinweise zur Organisation und Durchführung von Probenentnahmen bei Durchfallerkrankungen. Z. Mil. Med., in press

(Original: English)

1/ See footnote above.

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As already reported to the UN Department of Disarmament Affairs after submission of the 1989 GDR report, the subject of the XIIth International "Kühlungsborn Colloquium on Philosophical and Ethical Problems of the Biosciences" will be "Prevention of a Biological and Toxin Arms Race and the Responsibility of Scientists". The meeting is organized by the Society of Physical and Mathematical Biology of the GDR in association with the Central Institute of Molecular Biology, Academy of Sciences of the GDR, and the Central Institute of Philosophy, Academy of Sciences of the GDR, and the GDR Committee on Scientific Questions of Peace and Disarmament. It will be held 14 - 19 September 1990 in Ostseebad Kühlungsborn near Rostock, GDR. According to the

preliminary program the following topics will be discussed in sessions and workshops:

- . Prevention of the use of research for offensive purposes
- . Promotion of biotechnology for peaceful purposes in 3rd world countries
- . What can be learnt from the negotiations on a CW Convention?
- . Confidence-building measures
- . Verification measures
- . Legal approaches for strengthening the BW Convention
- . The responsibility of scientists.

Form 3 includes the formal description of the meeting.

Other conferences or symposia concerning scientific work covered by the Convention are not planned for 1990.

1/ See footnote above.

Name of the conference: XIIth Kühlungsborn Colloquium on Philosophical and Ethical Problems of the Biosciences: Prevention of a Biological and Toxin Arms Race and the Responsibility of Scientists.

Arranging Organizations: Society of Physical and Mathematical Biology of the GDR, in association with the Central Institute of Molecular Biology, Academy of Sciences of the GDR, and the Central Institute of Philosophy, Academy of Sciences of the GDR, and the GDR Committee on Scientific Questions of Peace and Disarmament.

Time: 14 - 19 September 1990

Place: Ostseebad Kühlungsborn (near Rostock), German Democratic Republic

Main Subjects: Prevention of the use of research for offensive purposes. Promotion of biotechnology for peaceful purposes in 3rd world countries. What can be learnt from the negotiations on a CW Convention? Confidence-building measures. Verification measures. Legal approaches for strengthening the BW Convention. The responsibility of scientists.

Conditions for Participation: Open participation. The number of participants will be restricted to about 150, however.

Point of Contact: Professor E. Geißler,
Zentralinstitut für Molekularbiologie
Robert-Rössle-Str. 10, Berlin-Buch
DDR - 1115
German Democratic Republic

In accordance with the Final Declaration of the Second Review Conference the first two reports by the German Democratic Republic (including data on research centers and laboratories, information on outbreaks of infectious diseases, conferences covered by the Convention, and a list of publications with regard to the work of research centers and laboratories) have been given in 1988 and 1989, respectively.

(Original: English)