

**ORDER  
OF THE PRESIDENT OF THE RUSSIAN FEDERATION  
NO. 298-RP OF JUNE 14, 1994  
ON CONTROL OVER THE EXPORT FROM THE RUSSIAN FEDERATION  
OF PATHOGENIC ORGANISMS (PATHOGENS) OF HUMAN, ANIMAL  
AND PLANT DISEASES, OF THEIR GENETICALLY MODIFIED FORMS AND  
FRAGMENTS OF THE GENETIC MATERIAL AND EQUIPMENT  
WHICH MAY BE USED IN CREATING BACTERIOLOGICAL (BIOLOGICAL)  
AND TOXIC WEAPONS**

*This Order shall be abolished three months after the day of the official publication of Decree of the President of the Russian Federation No. 1004 of August 8, 2001*

1. To approve the List \* of Pathogenic Organisms (Pathogens) of Human, Animal and Plant Diseases, Their Genetically Modified Forms and Fragments of the Genetic Material and Equipment Which May Be Used in Creating Bacteriological (Biological) and Toxic Weapons, presented by the Government of the Russian Federation, whose export shall be put under control and shall require licenses (enclosed).

2. The Government of the Russian Federation shall approve the Regulations on the Procedure for Control over the Export from the Russian Federation of Pathogenic Organisms (Pathogens) of Human, Animal and Plant Diseases, Their Genetically Modified Forms and Fragments of the Genetic Material and Equipment Which May Be Used in Creating Bacteriological (Biological) and Toxic Weapons.

*The said Regulations were approved by Decision of the Government of the Russian Federation No. 1098 of September 26, 1994*

3. To decree that the codes of commodity classification of foreign economic activities stipulated in the List enclosed to the present Order shall be specified, if necessary, by the State Customs Committee of Russia in agreement with the Exports Supervision Service of Russia.

4. To recognize as invalid the Order of the President of the Russian Federation No. 711-rp of November 17, 1992.

5. The present Order shall come into force at the moment of its signing.

President of the Russian Federation

B. Yeltsin

**LIST  
OF PATHOGENS OF MAN, ANIMALS AND PLANTS, THEIR MODIFIED FORMS,  
FRAGMENTS OF GENETIC MATERIAL AND EQUIPMENT THAT MAY BE  
USED IN THE DEVELOPMENT OF BACTERIOLOGICAL (BIOLOGICAL) AND TOXIC  
WEAPONS WHOSE EXPORT IS MONITORED AND CARRIED OUT  
UNDER LICENSES**

**(Approved by Order of the President of the Russian Federation No. 298-rp of June 14, 1994)**

Nos of positions	Name	Code number according to the Commodity Classification for Foreign Economic Activity

## Section 1. Pathogens for Man and Animals

1.1.	Viruses	
1.1.1.	Pathogen of Denge fever, serotype I-IV	300290500
1.1.2.	Pathogen of Japanese encephalitis	300290500
1.1.3.	Pathogen Spring-Summer tick- -borne encephalitis	300290500
1.1.4.	Pathogen of St. Luis-type encephalitis	300290500
1.1.5.	Pathogen of American equine encephalomyelitis	300290500
1.1.6.	Pathogen of Venezuelan equine encephalomyelitis	300290500
1.1.7.	Pathogen of West American equine encephalomyelitis	300290500
1.1.8.	Pathogen of Rift Valley fever	300290500
1.1.9.	Pathogen of smallpox (variola)	300290500
1.1.10.	Pathogen of yellow fever	300290500
1.1.11.	Pathogens of hemorrhagic fevers:	300290500
1.1.11.1.	hemorrhagic fever with kidney syndrome (Hantaan);	300290500
1.1.11.2.	Congo-Crimean hemorrhagic fever;	300290500
1.1.11.3.	Omsk hemorrhagic fever;	300290500
1.1.11.4.	Lassa hemorrhagic fever;	300290500
1.1.11.5.	Ebola hemorrhagic fever;	300290500
1.1.11.6.	Marburg fever;	300290500
1.1.11.7.	Argentine hemorrhagic fever (Hunin)	300290500
1.1.11.8.	Bolivian hemorrhagic fever (Machupo);	300290500
1.1.11.9.	Chikungunya fever	300290500
<b>Notes:</b>	<b>1.</b> The list has been drawn up in keeping with the international system of control over non-proliferation of mass destruction weapons (recommendations of the Australian Group, June 1993)	
	<b>2.</b> Vaccine strains of pathogens and also commercial vaccines and other biological substances for indication, diagnostics and treatment of the communicable diseases shall not be liable to export control.	
1.1.12.	Pathogen of lymphocytic choriomeningitis	300290500
1.1.13.	Pathogen of monkey pox	300290500
1.1.14.	Pathogen of white pox	300290500
1.1.15.	Pathogen of Kyassanur forest disease	300290500
1.1.16.	Pathogen of Scotch sheep encephalomyelitis	300290500
1.1.17.	Pathogen of Murrey Valley encephalitis	300290500
1.1.18.	Pathogen of Rosio encephalitis	300290500
1.1.19.	Pathogen of Oropouche fever	300290500
1.1.20.	Pathogen of Powasson encephalitis	300290500
1.2.	Richettsia	
1.2.1.	Pathogen of Q fever	300290500
1.2.2.	Pathogen of trench fever	300290500

1.2.3.	Pathogen of typhus	300290500
1.2.4.	Pathogen of Rocky Mountains spotted fever (tick-borne rickettsiosis)	300290500
1.3.	Bacteria	
1.3.1.	Pathogen of anthrax	300290500
1.3.2.	Pathogen of brucellosis:	300290500
1.3.2.1.	Brucella melitensis;	300290500
1.3.2.2.	Brucella suis;	300290500
1.3.2.3.	Brucella abortus	300290500
1.3.3.	Pathogen of cholera	300290500
1.3.4.	Pathogen of dysentery (Shigella)	300290500
1.3.5.	Pathogen of glanders	300290500
1.3.6.	Pathogen of melioidosis	300290500
1.3.7.	Pathogen of plague	300290500
1.3.8.	Pathogen of tularemia	300290500
1.3.9.	Pathogen of typhoid fever	300290500
1.3.10.	Pathogen of ornithosis	300290500
1.3.11.	Pathogen of botulism	300290500
1.3.12.	Pathogen of gas gangrene (Clostridium Perfringens)	300290500
1.3.13.	Pathogen of tetanus	300290500
1.3.14.	Pathogen of Legionnaire's disease	300290500
1.3.15.	Pathogen of enterohemorrhagic colibacillosis, serotype O157 and other serotypes-- products of verotoxins	300290500
1.3.16.	Pathogen of pseudotuberculosis	300290500
1.4.	Toxins	
1.4.1.	Botulinic toxins	300290900
1.4.2.	Toxins of gas gangrene (toxins of Clostridium Perfringens)	300290900
1.4.3.	Toxins of Staphylococcus aureus	300290900
1.4.4.	Ricin	300290900
1.4.5.	Saxitoxin	300290900
1.4.6.	Dysenteric toxin	300290900
1.4.7.	Conotoxin	300290900
1.4.8.	Tetrodotxin	300290900
1.4.9.	Verotoxin	300290900
1.4.10.	Abrin	300290900
1.4.11.	Cholera toxin	300290900
1.4.12.	Tetanic toxin	300290900
1.4.13.	Trichotecenic mycotoxins	300290900
1.4.14.	Microcystine (cianginosin)	300290900
1.5.	Genetically modified microorganisms	
1.5.1.	Any genetically modified microorganisms or genetic elements (fragments) which contain sequences (regions) of nuclear acid coding pathogenicity factors and which are derived from microorganisms, indicated in Subsections 1.1.-1.3.	300290500

- 1.5.2. Any genetically modified microorganisms or genetic elements (fragments) which contain sequences (regions) of nucleic acid coding any toxins, indicated in [Subsection 1.4.](#) 300290500

**Section 2. Pathogens Hazardous for Animals**

- 2.1. Viruses
- 2.1.1. Pathogen of African hog cholera 300290500
- 2.1.2. Pathogen of avian grippe (influenza), type A (classical plague) 300290500
- 2.1.3. Pathogen of Blutanga 300290500
- 2.1.4. Pathogen of foot-and-mouth disease 300290500
- 2.1.5. Pathogen of goat pox 300290500
- 2.1.6. Pathogen of Aujeszky disease 300290500
- 2.1.7. Pathogen of classical hog cholera 300290500
- 2.1.8. Pathogen of rabies (Lassaviruses) 300290500
- 2.1.9. Pathogen of Newcastle's disease 300290500
- 2.1.10. Pathogen of small ruminants' plague (pest) 300290500
- 2.1.11. Pathogen of hog enterovirus vesicular infection, Serotype 9 300290500
- 2.1.12. Pathogen of cattle plague 300290500
- 2.1.13. Pathogen of sheep pox 300290500
- 2.1.14. Pathogen of Techenne swine disease 300290500
- 2.1.15. Pathogen of vesicular stomatitis 300290500
- 2.2. Bacteria
- 2.1. Pathogen of pleuropneumonia of horned stock 300290500
- 2.3. Genetically modified microorganisms
- 2.3.1. Any genetically modified microorganisms or genetic elements (fragments) which contain sequences (regions) of nuclear acid and which are derived from microorganisms, indicated in [Subsections 2.1](#) and [2.2.](#) 300290500

**Section 3. Pathogens Hazardous for Plants**

- 3.1. Viruses
- 3.1.1. Pathogen of banana bushy tops' disease 300290500
- 3.2. Bacteria
- 3.2.1. Pathogen of bacterial burn disease of sugarcane 300290500
- 3.2.2. Pathogen of bacterial cancer of citric plants 300290500
- 3.2.3. Pathogen of bacterial burn disease of rice 300290500
- 3.2.4. Pathogen of Pierce disease of grapes 300290500
- 3.3. Microscopical fungi
- 3.3.1. Pathogen of anthracnosis of coffee 300290500

3.3.2.	Pathogen of helminthosporiasis of rice	300290500
3.3.3.	Pathogen of fungeous burn disease of hevea leaves	300290500
3.3.4.	Pathogen of stem rust disease of wheat	300290500
3.3.5.	Pathogen of yellow rust disease of wheat	300290500
3.3.6.	Pathogen of pyriculariosis of rice	300290500
3.3.7.	Pathogen of infections drying-in disease of citric plants	300290500
3.3.8.	Pathogen of moniliasis of cacao-tree	300290500
3.4.	Genetically modified microorganisms	
3.4.1.	Any genetically modified microorganisms or genetic elements (fragments) which contain sequences (regions) of nuclear acid and coding pathogenicity factors and which are derived from plants' pathogens, indicated in <u>Subitems 3.1-3.3.</u>	300290500

#### Section 4. Equipment

4.1.	Sets of equipment providing high or maximum levels of biological safety (protection) (P3 or P4 type) in keeping with the WHO requirements (Manual of Laboratory Safety of Biological Substances, Geneva, 1983)	
4.2.	Ferments which may be used for continuous cultivation (production) of pathogenic microbes, viruses and toxins without the risk of formation of aerosols and which have the following characteristics: volume--over 300 l; double or plural steam seals; possibility of sterilization by steam without preliminary disassembly	841989900

**Note:** The notion of ferments includes bioreactors, chemostats, and continuous running water systems

4.3.	Special-purpose ferments of less than 300 liters with instruments and equipment to be used in integrated systems	841989900
4.4.	Centrifugal separators ensuring continuous separation of pathogenic microbes without the risk of formation of aerosols and having the following characteristics: productively--over 100 liter/hour; block construction made entirely or partially of stainless steel or titanium; double or plural steam seals;	

possibility of sterilization by steam  
without preliminary disassembly 842119910

**Note:** The term centrifugal separators includes a decantation device

4.5. Systems of filtration in transversal flow,  
designed for continuous concentration of  
microbes, viruses and toxins and having the  
following characteristics:  
filtration area--over five sq m;  
possibility of sterilization by steam  
without preliminary disassembly 842119910

4.6. Equipment for lyophilization with a  
productivity of 50-100 kg of ice per  
24 hours, sterilized by steam 841939000

**Note:** Equipment with a productivity of over 1000 kg of ice per 24  
hours shall not be liable to export control

4.7. Equipment which may be used in  
laboratories with a P3 or P4 biological  
safety level

4.7.1. protective uniforms with fully or  
partially autonomous ventilation; 847989800

4.7.2. biological protection boxes of  
Class III or isolated systems with a  
similar level of safety 841480900

4.8. Aerosol (inhalation) cameras of 1 cu m  
and larger to study the effect of  
microbes, viruses and toxins on  
animals 842489900

4.9. Equipment for microcapsulation of live  
microorganisms and toxins with the size  
of the obtained capsules ranging from  
1 to 10 mcm;

4.9.1. mixers for interphase polycondensation  
(interphase polycondensers); 847982000

4.9.2. phase separators 842119990

4.10. Cameras (boxes) with ventilation  
equipment with HEPA filters for air  
purification which may be used to  
set up laboratories with the P3 or P4  
biological protection level 842139300