



National Inventory of Wild Poliovirus Materials

SECTION A - Review Appendices I & II before completing this form.

1. Do laboratories in your institution store any of these materials?

Yes No

- Throat, fecal, or autopsy
- Animal
- Environmental (water/sewage)
- Virus isolates or reference strains

If **NO**, please complete Section B.

If **YES**, please respond to question 2.

2. Do stored materials include any of the following?

Yes No

- Throat, fecal, or environmental materials collected for any purpose at a time or in a geographical area where polio was endemic (see Appendices I and II)
- Clinical materials from polio cases
- Untyped enterovirus-like or undifferentiated poliovirus isolates
- Wild poliovirus infected cell cultures, stocks, research materials, and infected laboratory animals

If **NO**, please complete Section B.

If **YES**, please complete Sections B and C.

Additional information can be found at <http://www.cdc.gov/od/nvpo/polio>

SECTION B

There are _____ relevant biomedical laboratories in this institution. All have been surveyed for wild poliovirus materials:
(Number)

1. No such materials were identified or such materials have been destroyed.

2. This institution possesses materials listed in Section C.

Signature of Responsible Facility Official (RFO): _____

Print Name of RFO: _____

Institution: _____

Address: _____

Phone: _____ Fax: _____

Please submit report to: <http://www.cdc.gov/od/nvpo/polio/submit.htm>

or

Mail to: Centers for Disease Control and Prevention, National Center for Infectious Diseases
Poliovirus Laboratory Containment Preparedness, 1600 Clifton Rd, MS-C12
Atlanta, Georgia 30333

or

Fax to: Attention PLCP (404) 639-3262

OMB NO.: 0920-0562

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Appendix I

Definition of Wild Poliovirus Infectious Materials[‡]

Clinical materials from confirmed wild poliovirus and vaccine derived poliovirus (VDPV)* infections, environmental sewage or water samples in which such viruses are present, and products of such viruses, including cell culture isolates and reference strains, infected animals or samples from such animals, and laboratory recombinants and derivatives that have wild poliovirus capsid sequences.

* Field isolates consistent with extensive excretion or transmission in the community, usually demonstrating 1-15% differences from parent OPV strains by full VP1 sequence homology. VDPVs are classified as wild for programmatic and containment purpose.

Definition of Potential Wild Poliovirus Infectious Materials[‡]

Feces, respiratory secretions, and environmental sewage and water samples or collected for any purpose at a time and in a geographic area (Appendix II) where wild polioviruses or VDPV were suspected to be present. Also included are poliovirus permissive cells and animals that have been inoculated with the above materials, for example:

- Harvests untested for polioviruses and enteroviruses
- Uncharacterized enterovirus-like cell culture isolates
- Undifferentiated poliovirus isolates

Considered as non-infectious are clinical and environmental materials stored without refrigeration for three months or more, heat inactivated, treated with antiviral disinfectants, or previously tested and found negative for the presence of enteroviruses.

Summary of BSL-2/Polio[‡]

In addition to biosafety level 2 requirements, the BSL-2/polio facility incorporates the following standards:

Operational procedures

- Access to the laboratory is restricted.
- All persons entering the laboratory are fully immunized against polio.

Storage

- Wild poliovirus infectious and potential infectious materials are stored in separate, secure areas with limited access.
- Freezers and refrigerators are clearly marked as containing wild poliovirus materials.
- Freezer inventories are current and complete, including nature of materials, volume or amount, and location in freezer.
- Documentation is current on all materials, including geographical source and date of collection.

Transfer of materials

- All materials are transferred to and from the freezer in leak-proof, break-proof secondary containers.
- Standard operating procedures (SOP) are established, for all spills, breaks and accidents.

[‡] Complete descriptions with examples may be found in the **WHO Global Action Plan For Laboratory Containment of Wild Polioviruses** located at <http://www.cdc.gov/od/nvpo/polio>.

Appendix II

Year of Last Reported Indigenous Poliovirus Case by Country/Territory✦

These dates may refer to limited outbreaks in certain locations. Questions regarding specific collections may be referred to: <http://www.cdc.gov/od/nvpo/polio>

Country	Year of Last Polio	Country	Year of Last Polio	Country	Year of Last Polio	Country	Year of Last Polio
Afghanistan	Ongoing	Dem. Rep. Of the Congo	2000	Lesotho	1987 ¹	Rwanda	1999 ²
Albania	1978	Djibouti	1999 ²	Liberia	1999	Saint Helena	
Algeria	1996	Dominica		Libyan Arab Jamahiriya	1991 ¹	Saint Kitts & Nevis	1969 ¹
American Samoa	1950's ¹	Dominican Republic	1985 ³	Lithuania	1972 ¹	Saint Lucia	1970 ¹
Andorra	1959 ¹	Ecuador	1990	Luxembourg	1963 ¹	St. Vincent & Gren.	1977 ¹
Angola	Ongoing	Egypt	Ongoing	Macao, SAR	1975 ¹	Samoa	1950s
Anguilla		El Salvador	1987 ¹	Madagascar	1997	San Marino	1982
Antigua & Barbuda	1965 ¹	Equatorial Guinea	1992 ¹	Malawi	1991 ¹	Sao Tome & Principe	1983
Argentina	1984 ¹	Eritrea		Malaysia	1985 ²	Saudi Arabia	1995
Armenia	1995	Estonia	1961	Maldives	1980 ¹	Senegal	1998
Australia	1972 ²	Ethiopia	Ongoing	Mali	1999	Seychelles	1980s ¹
Austria	1980 ¹	Fed. S. of Micronesia	1970s ¹	Malta	1964 ¹	Sierra Leone	1999
Azerbaijan	1995	Fiji	1962 ²	Mariana Islands	1960s ¹	Singapore	1973
Bahamas	1967 ¹	Finland	1985	Marshall Islands	1976 ¹	Slovakia	1960s
Bahrain	1993 ¹	T.F.Y.R Macedonia	1987 ¹	Martinique		Slovenia	1978 ¹
Bangladesh	2000	France	1989	Mauritania	1999	Solomon Islands	<1972
Barbados	1967 ¹	French Guiana	1983 ¹	Mauritius	1980 ¹	Somalia	Ongoing
Belarus	1964 ¹	French Polynesia	1982 ²	Mexico	1990	South Africa	1989
Belgium	1979 ¹	Gabon	1996 ²	Monaco	1964	Spain	1988
Belize	1981 ¹	Gambia	1997 ²	Monolia	1993 ²	Sri Lanka	1993
Benin	2000	Georgia	1991 ¹	Montserrat		Sudan	Ongoing
Bermuda		Germany	1990	Morocco	1989 ¹	Suriname	1982 ¹
Bhutan	1986 ²	Ghana	2000	Mozambique	1993 ¹	Swaziland	1989 ¹
Bolivia	1989	Greece	1982	Myanmar	2000	Sweden	1977
Bosnia & Herzegovina	1961 ¹	Grenada	1970 ¹	Namibia	1995	Switzerland	1982
Botswana	1989 ¹	Guadeloupe		Nauru	1910 ¹	Syrian Arab Republic	1998
Brazil	1989	Guam	1964 ¹	Nepal	2000	Tajikistan	1997 ²
British Virgin Islands		Guatemala	1990 ¹	Netherlands	1993	Thailand	1997
Brunei Darussalam	1978 ²	Guinea	1999	Netherlands Antilles		Togo	1999
Bulgaria	1982	Guinea-Bissau	1999	New Zealand	1962 ¹	Tokelau	1950s ¹
Burkna Fuso	2000	Guyana	1962	New Caledonia	1982	Tonga	1982 ¹
Burundi	1999 ²	Haiti	1989 ¹	Nicaragua	1981 ¹	Trinidad & Tobago	1972
Cambodia	1997	Honduras	1989 ¹	Niger	Ongoing	Tunisia	1994
Cameroon	1999	Hong Kong, SAR	1983	Nigeria	Ongoing	Turkey	1998
Canada	1979	Hungary	1969	Niue	1950s ¹	Turkmenistan	1996
Cape Verde	1988 ¹	Iceland	1960 ¹	Norway	1969	Turks & Caicos Island	1977
Cayman Islands	1958 ¹	India	Ongoing	Oman	1993 ¹	Tuvalu	1936 ¹
Central African Republic	2000	Indonesia	1995	Pakistan	Ongoing	Uganda	1996
Chad	2000	Iran (Islamic Republic)	1997	Palau	1940s ¹	United Kingdom	1982
Chile	1975	Iraq	2000	Palestine N.A.	1988	Ukraine	1996 ²
China	1994	Ireland	1965 ¹	Panama	1972 ¹	United Arab Emirates	1992 ¹
Colombia	1991	Israel	1988	Papua New Guinea	1996 ¹	United Rep. Of Tanzania	1996
Comoros	1983 ¹	Italy	1982	Paraguay	1985 ¹	USA	1979
Congo	2000	Jamaica	1982	Peru	1991	Uruguay	1978 ¹
Cook Islands	1959	Japan	1980	Philippines	1993	US Virgin Islands	
Costa Rica	1972	Jordan	1988 ¹	Poland	1984	Uzbekistan	1995
Cote d'Ivoire	2000	Kazakhstan	1995 ¹	Portugal	1986	Vanuatu	1989 ²
Croatia	1990	Kenya	1988 ¹	Puerto Rico		Venezuela	1989
Cuba	1962 ¹	Kiribati		Qatar	1990 ¹	Viet Nam	1997
Cyprus	1995	Kuwait	1985 ¹	Republic of Korea	1983 ²	Wallis and Futuna	1972 ²
Czech Republic	1960	Kyrgyzstan	1993	Republic of Moldova	1991 ²	Yemen	1999 ²
DPR Korea	1996	Latvia	1962 ¹	Reunion	1979 ¹	Yugoslavia	1996
Denmark	1976	Lao PDR	1996	Romania	1992	Zambia	1995
		Lebanon	1994 ¹	Russian Federation	1996 ²	Zimbabwe	1991 ²

✦ Unless noted otherwise, year of last virologically confirmed case is used. 'Ongoing' refers to countries still considered endemic for wild poliovirus at the end of 1999 (shaded).
 1 Details about case are not known 2 Clinically confirmed case 3 VDPV Isolated in 2001