



S/1987/2021
31 August 2021
ENGLISH only

NOTE BY THE DIRECTOR-GENERAL

STATUS OF LABORATORIES DESIGNATED FOR THE ANALYSIS OF AUTHENTIC BIOMEDICAL SAMPLES

1. The Conference of the States Parties (hereinafter “the Conference”) at its First Session established the conditions under which laboratories may seek designation for the analysis of authentic samples (C-I/DEC.60, C-I/DEC.61, C-I/DEC.62, and C-I/DEC.65, all dated 22 May 1997), and at its Fifth Session (C-V/6, dated 19 May 2000) mandated the Executive Council (hereinafter “the Council”) to take a decision regarding guidelines on the designation of laboratories for such analysis. The Council took that decision at its Twentieth Session (EC-XX/DEC.3, dated 28 June 2000). Additional guidelines on the designation of laboratories for the analysis of authentic samples were adopted by the Conference at its Twentieth Session (C-20/DEC.4, dated 2 December 2015).
2. In addition to the existing designation scheme set out in the decisions mentioned above, with effect from 2016, the Director-General may designate laboratories for the analysis of authentic biomedical samples (C-20/DEC.5, dated 2 December 2015). Such designations will be assessed and issued separately from the existing mechanism for the designation of laboratories for the analysis of environmental samples. Proficiency tests for biomedical samples will be referred to as the “Official OPCW Biomedical Proficiency Tests” (BioPTs). Laboratories may be designated for the analysis of either biomedical samples or environmental samples, or for both.
3. When designating laboratories for the analysis of authentic biomedical samples, and in accordance with C-20/DEC.5 and C-I/DEC.61, the Director-General takes into account whether:
 - (a) the laboratory has implemented a quality assurance system in accordance with internationally recognised standards (for example, ISO¹ 17025 or equivalent);
 - (b) the laboratory has obtained accreditation by an internationally recognised accreditation body for the tasks for which it is seeking designation;
 - (c) the laboratory regularly participates and performs successfully in the last two BioPTs conducted by the OPCW; and
 - (d) the laboratory has achieved a performance rating of either two As, or one A and one B in the last two BioPTs.

¹ ISO = International Organization for Standardization.



4. The Director-General will designate a laboratory for the analysis of authentic biomedical samples following its sixth BioPT if the laboratory satisfies the criteria set out in paragraph 3 above.
5. A laboratory must participate in every biomedical proficiency testing programme conducted once per calendar year, unless the additional guidelines in C-20/DEC.4 are applicable.
6. If a designated laboratory performs unsuccessfully in a proficiency test, it may be temporarily suspended, but retain designated status, or it may have its designated status withdrawn, according to the guidelines in EC-XX/DEC.3. When this happens, the laboratory, also in accordance with EC-XX/DEC.3, will no longer be selected by the Director-General to receive and analyse authentic samples from the OPCW. However, it may perform other tasks, as set out in C-I/DEC.67 (dated 22 May 1997). Unsuccessful performance resulting in temporary suspension includes:
 - (a) having a score of C, D, or F (other than a false positive identification) in a single BioPT; or
 - (b) having a score of two Bs in the last two BioPTs.
7. In line with the guidelines contained in the Annex to EC-XX/DEC.3, any designated laboratory whose designation has been withdrawn or any laboratory that has been temporarily suspended may regain its designated status once it demonstrates that it again fulfils the criteria set out in paragraph 3 above.
8. Following the completion of the Sixth Official OPCW Biomedical Proficiency Test, the Director-General wishes to inform Member States of the current status of the laboratories designated for the analysis of authentic biomedical samples. Twenty laboratories from 14 Member States have been designated (Annex 1); one of these has been temporarily suspended. The performance ratings of these laboratories are annexed hereto (Annex 2).

Annexes:

- Annex 1: List of Laboratories Designated for the Analysis of Authentic Biomedical Samples
- Annex 2: Performance Rating of Designated Laboratories in Official Biomedical Proficiency Tests

Annex 1**LIST OF LABORATORIES DESIGNATED FOR THE ANALYSIS
OF AUTHENTIC BIOMEDICAL SAMPLES**

	Laboratory	State Party
1.	Defence Science and Technology Group	Australia
2.	Laboratory of Toxicant Analysis, Academy of Military Medical Sciences	China
3.	Laboratory of Analytical Chemistry, Research Institute of Chemical Defence	China
4.	Finnish Institute for Verification of the Chemical Weapons Convention (VERIFIN)	Finland
5.	DGA Maîtrise NRBC, Département Analyse Chimique	France
6.	Bundeswehr Institute of Pharmacology and Toxicology	Germany
7.	Vertox-Biochemistry Division, Defence Research and Development Establishment	India
8.	Defense Chemical Research Laboratory (DCRL)	Iran (Islamic Republic of)
9.	TNO Defence, Safety and Security	Netherlands
10.	Chemical Analysis Laboratory, CBR Directorate, Agency for Defense Development	Republic of Korea
11.	CBRN Research Center, ROK CBRN Command	Republic of Korea
12.	Laboratory for the Chemical and Analytical Control of the Military Research Centre	Russian Federation
13.	Laboratory of Chemical Analytical Control and Biotesting, Research Institute of Hygiene, Occupational Pathology and Human Ecology (RIHOPHE)	Russian Federation
14.	Verification Laboratory, Defence Medical and Environmental Research Institute, DSO National Laboratories	Singapore
15.	Swedish Defence Research Agency, FOI	Sweden
16.	Defence Science and Technology Laboratory, Porton Down	United Kingdom of Great Britain and Northern Ireland
17.	Centers for Disease Control and Prevention	United States of America
18.	Combat Capabilities Development Command (DEVCOM), Chemical Biological Center (CBC), Forensic Analytical Laboratory	United States of America
19.	Lawrence Livermore National Laboratory	United States of America
20.	U.S. Army Medical Research Institute of Chemical Defense	United States of America

Annex 2

**PERFORMANCE RATING OF DESIGNATED LABORATORIES
IN OFFICIAL BIOMEDICAL PROFICIENCY TESTS**

	State Party	Laboratory	5th BioPT	6th BioPT
			2020	2021
1.	Australia	Defence Science and Technology Group	A	A ²
2.	China	Laboratory of Toxicant Analysis, Academy of Military Medical Sciences	A	A
3.	China	Laboratory of Analytical Chemistry, Research Institute of Chemical Defence	A	A
4.	Finland	Finnish Institute for Verification of the Chemical Weapons Convention (VERIFIN)	A	A ³
5.	France	DGA Maîtrise NRBC, Département Analyse Chimique	A	A
6.	Germany	Bundeswehr Institute of Pharmacology and Toxicology	A ³	B
7.	India	Vertex-Biochemistry Division, Defence Research and Development Establishment	A	A
8.	Iran (Islamic Republic of)	Defense Chemical Research Laboratory (DCRL)	A	A
9.	Netherlands	TNO Defence, Safety and Security	A	A
10.	Republic of Korea	Chemical Analysis Laboratory, CBR Directorate, Agency for Defense Development	A	A
11.	Republic of Korea	CBRN Research Center, ROK CBRN Command	A	A
12.	Russian Federation	Laboratory for the Chemical and Analytical Control of the Military Research Centre	A	A
13.	Russian Federation	Laboratory of Chemical Analytical Control and Biotesting, Research Institute of Hygiene, Occupational Pathology and Human Ecology (RIHOPHE)	A	A

² Laboratory requested a withdrawal from the test without penalty after receiving samples. Withdrawal was granted by the OPCW. The laboratory remains designated.

³ Laboratory was not a test participant but was awarded an “A” rating based on the criteria in decision C-20/DEC.4.

	State Party	Laboratory	5th BioPT	6th BioPT
			2020	2021
14.	Singapore	Verification Laboratory, Defence Medical and Environmental Research Institute, DSO National Laboratories	A	A
15.	Sweden	Swedish Defence Research Agency, FOI	B	A ³
16.	United Kingdom of Great Britain and Northern Ireland	Defence Science and Technology Laboratory, Porton Down	A	A ⁴
17.	United States of America	Centers for Disease Control and Prevention	A	B
18.	United States of America	Combat Capabilities Development Command (DEVCOM), Chemical Biological Center (CBC), Forensic Analytical Laboratory	A	A
19.	United States of America	Lawrence Livermore National Laboratory	A	A
20.	United States of America	U.S. Army Medical Research Institute of Chemical Defense	B	B

--- 0 ---

⁴ Laboratory requested a withdrawal from the test without penalty prior to receiving samples. Withdrawal was granted by the OPCW. The laboratory remains designated.