| **Laboratories** | **Country** | **Physical testing on behalf of WHO /Vaccine component / Tests** |
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| **Austrian Federal Office for Safety in Health Care (BASG)**  www.basg.gv.at  Postal address: Traisengasse 5, 1200 Vienna, Austria | **Austria** | Reporting of lot release data (with consent of manufacturer) for cholera vaccine |
| **Sciensano**  [www.sciensano.be](http://www.sciensano.be/)  Postal address: Rue Juliette Wytsmanstraat 14, 1050 Brussels, BELGIUM | **Belgium** | **Diphtheria toxoid:** Potency  **Tetanus toxoid:** Potency  **Pertussis (acellular):** Potency  **Hepatitis A:** Potency, endotoxin content  **Haemophilus Type B conjugate:** Total & free PRP content, endotoxin content  **Oral Poliomyelitis group of vaccines:** Potency/ thermal stability  **Inactivated Poliomyelitis virus:** D-antigen content  **Meningococcal type of vaccines:** Total and free saccharide  content, endotoxin content  **Rotavirus:** Potency: CCID50, FFA  **Others:**  Reporting of lot release data (with consent of manufacturers) for above vaccine components and  **Hepatitis B**  **Human Papillomavirus**  **Measles, Mumps & Rubella** |
| **Bulgarian Drug Agency (BDA)**  [www.bda.bg](http://www.bda.bg)  Postal address:8 Damyan Gruev Str., Sofia 1303, BULGARIA | **Bulgaria** | **BCG:** Potency  **Others:**  Reporting of lot release data (with consent of manufacturer) for above vaccine component and  **Diphtheria**  **Tetanus** |
| **Biologic and Radiopharmaceutical Drugs Directorate (BRDD), Health Canada**  [www.hc-sc.gc.ca/ahc-asc/branch-dirgen/hpfb-dgpsa/bgtd-dpbtg/index-eng.php](http://www.hc-sc.gc.ca/ahc-asc/branch-dirgen/hpfb-dgpsa/bgtd-dpbtg/index-eng.php)  Postal address: 100 Eglantine Driveway, Tunney's Pasture, Ottawa, Ontario K1A 0K9, CANADA | **Canada** | **BCG:** Potency  **Inactivated Poliomyelitis virus and Sabin-IPV:** D-antigen content  **Yellow Fever:** Potency/ thermal stability |
| **National Drug and Health Products Safety Agency (ANSM)**  [www.ansm.sante.fr](http://www.ansm.sante.fr/)  Postal address: 321, avenue Jean Jaurès, 69007 Lyon, FRANCE | **France** | **Dengue:** Potency/ thermal stability  **Diphtheria toxoid:** Potency  **Tetanus toxoid:** Potency  **Pertussis (whole cell):** Potency  **Pertussis (acellular):** Potency  **Haemophilus type b conjugate:** Total & free PRP content, endotoxin content  **Pneumococcal type of vaccines:** PS content, identity for each serotype, endotoxin content  **Typhoid polysaccharide:** Vi content, Free Vi content & O-acetyl content  **Others:**  Reporting of lot release data (with consent of manufacturers) for above vaccine components and  **Inactivated Poliomyelitis virus**  **Influenza**  **Oral Poliomyelitis group of vaccines**  **Rabies**  **Yellow fever** |
| **Paul-Ehrlich-Institut (PEI), Federal Institute for Vaccines and Biomedicines**  [www.pei.de/EN/medicinal-products/vaccines-human/vaccines-human-node.html](http://www.pei.de/EN/medicinal-products/vaccines-human/vaccines-human-node.html)  Postal address: Paul-Ehrlich-Strasse 51-59, 63225 Langen, GERMANY | **Germany** | **Ebola:** Potency, product-specific  **Pneumococcal type of vaccines:** PS content, identity for each serotype, endotoxin content  **Japanese encephalitis, inactivated:** Potency, endotoxin content  **Measles, Mumps & Rubella:** Potency/ thermal stability  **Rabies:** Potency, endotoxin content  **Varicella:** Potency/thermal stability  Moisture content  Sterility  **Others:**  - Statistical advice  - Reporting of lot release data (with consent of manufacturers) for  **Hepatitis B**  **Measles, Mumps & Rubella**  **Pneumococcal type of vaccines**  **Varicella** |
| **National Quality Control Laboratory of Drug and Food (NQCLDF), Indonesian FDA**  [www.pom.go.id](http://www.pom.go.id)  pppomn@pom.go.id  Postal address: Jl. Percetakan Negara No.23, Jakarta Pusat 10560, INDONESIA | **Indonesia** | **Diphtheria toxoid:** Potency  **Tetanus toxoid:** Potency  **Pertussis (whole cell):** Potency |
| **National Centre for the Control and Evaluation of Medicines (CNCF)**  <https://www.iss.it/web/iss-en/control-and-evaluation-of-medicines>  Postal address: Viale Regina Elena 299, I-00161 Rome, ITALY | **Italy** | **Diphtheria toxoid:** Potency  **Tetanus toxoid:** Potency  **Haemophilus type b conjugate:** Total & free PRP content, endotoxin content  **Measles, Mumps & Rubella:** Potency/ thermal stability  **Meningococcal type of vaccines:** Potency, endotoxin content  **Others:**  Reporting of lot release data (with consent of manufacturers)  **Meningococcal type of vaccines** |
| **National Institute of Public Health and Environment Protection (RIVM)**  <http://www.rivm.nl/en>  Postal address: Antonie van Leeuwenhoeklaan 9, 3721 MA Bilthoven, NETHERLANDS | **Netherlands** | **Influenza:** Potency, endotoxin content  **Inactivated Poliomyelitis virus:** D-antigen content  **Human Papillomavirus:** Potency  **Varicella:** Potency/ thermal stability  **Others:**  Reporting of lot release data (with consent of manufacturers)for  **Human Papillomavirus**  **Inactived Poliomyelitis virus**  **Measles, Mumps & Rubella**  **Rotavirus**  **Varicella** |
| **National Institutes for Food and Drug Control, People’s Republic of China**  <http://english.nmpa.gov.cn/2019-07/19/c_389166.htm>  Postal address: No.31, Huatuo Avenue, Daxing Biomedical Base, Daxing District. 102629 Beijing, People’s Republic of China | **People’s Republic of China** | **Influenza:** Potency, endotoxin content  **Hepatitis B:** Potency (in-vitro)  **Oral Poliomyelitis group of vaccines:** Potency/ thermal stability  **Inactivated Poliomyelitis Virus:** D-antigen content  **Men C:** PSC content, endotoxin content  **Pneumococcal type of vaccine:** PS content, endotoxin content |
| **National Institute of Food and Drug Safety Evaluation (NIFDS)**  <http://www.nifds.go.kr/en/index.do>  Postal address: 187 Osongsaengmyeong 2-ro,  Osong-eup, Heungdeok-gu, Cheongju-si  Chungcheonbuk-do 28159, Republic of Korea | **Republic of Korea** | **BCG:** Potency/ thermal stability  **Japanese Encephalitis, live:** Potency/ thermal stability  **Pertussis (whole cell):** Potency, multiple dilution  **Oral Cholera:** Potency  **Influenza:** Potency, endotoxin content  **Others:**  Reporting of lot release data (with consent of manufacturers) for  **Diphtheria**  **Tetanus**  **Hepatitis B**  **Haemophilus type b conjugate**  **Pertussis**  **Influenza**  **Oral Cholera** |
| **South Africa National Control Laboratory for Biological Products, University of the Free State**  https://www.ufs.ac.za/health/departments-and-divisions/national-control-laboratory-for-biological-products-home  Postal address: Internal Box G49  University of the Free State  PO Box 339, Bloemfontein 9300  SOUTH AFRICA | **South Africa** | **Oral Poliomyelitis group of vaccines:** Potency/ thermal stability  **Measles:** Potency/ thermal stability  **Yellow Fever:** Potency/ thermal stability |
| **Swiss Agency for Therapeutic Products (Swissmedic)**  [**www.swissmedic.ch**](http://www.swissmedic.ch)  Postal address: Hallerstrasse 7, 3012 Bern, SWITZERLAND | **Switzerland** | **Influenza:** Potency, endotoxin content |
| **Institute of Biological Products, Department of Medical Sciences, Ministry of Public Health**  [www.dmsc.moph.go.th/default.htm](http://www.dmsc.moph.go.th/default.htm)  Postal address: Tivanon Road, Nonthaburi 11000, THAILAND | **Thailand** | **Hepatitis B (rDNA):** Potency (in-vitro)  **Pertussis (whole cell):** Potency  **Rabies:** Potency, endotoxin content  **Others:**  Reporting of lot release data (with consent of manufacturers) for  **Japanese Encephalitis, inactivated** |
| **National Institute for Biological Standards and Control (NIBSC)**  [www.nibsc.org](http://www.nibsc.org)  Postal address: Blanche Lane, South Mimms, Potters Bar, Hertfordshire EN6 3QG, UNITED KINGDOM | **United Kingdom** | **Division of Bacteriology:**  **Cholera:** Potency, appearance  **Meningococcal type of vaccines:** Potency (free saccharide and total saccharide content), endotoxin content, appearance  **Typhoid polysaccharide conjugate vaccines:** Vi content, free Vi content, O-acetyl content, appearance  **Others:**  Reporting of lot release data (with consent of manufacturers) for  **Cholera**  **Meningococcal type of vaccines**  **Division of Virology:**  **Hepatitis B:** Potency (in-vitro), endotoxin content  **Human Papillomavirus:** Potency  **Rotavirus:** Potency (product specific)/ thermal stability  **Oral poliomyelitis group of vaccines:** Potency/ thermal stability  **Sabin-IPV:** D-antigen content  **Others:**  Reporting of lot release data (with consent of manufacturers) for  **Human Papillomavirus**  **Measles, Mumps & Rubella**  **Rotavirus** |