| **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.atPostal 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 saccharidecontent, 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 stabilityMoisture contentSterility **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.idPostal 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 ofMedicines (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-siChungcheonbuk-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 G49University of the Free StatePO Box 339, Bloemfontein 9300SOUTH 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** |