



**AU-PANVAC
Laboratories**

AU-PANVAC: Key Intervention Areas

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KEYS INTERVENTION AREAS

- ❑ Vaccine Production & Quality
- ❑ Facilitate the Regulation on Vet. Products
- ❑ Diagnostics Production



AU-PANVAC 20th Anniversary: 2004 - 2024



The 20th anniversary was an opportunity to **REVIEW AU-PANVAC ACHIEVEMENTS.**



SUPPORT IN VACCINE PRODUCTION

Enhance the production of vaccines against some priority animal diseases in Africa:

- CBPP vaccine
- PPR thermotolerant (TT) vaccines
 - ✓ Standards for evaluation of PPR thermotolerance vaccine (developed by PANVAC).
 - ✓ Need to facilitate/support the transfer of PPR TT to manufacturers (GALVmed support needed)



Strengthen quality and consistency of vaccines produced in Africa: AU-PANVAC repository

- Support Characterisation, efficacy and safety of vaccines seeds
 - ✓ Capripox viruses
 - ✓ CamelPox Vaccine
 - ✓ RVF Vaccine SB
- Re-evaluate the efficacy and safety vaccine seeds



Develop a process to ensure the efficacy, safety, and quality of vaccines remain after production, distribution and use in the field.

- **Cold chain monitoring system**
- **Post-vaccination monitoring for vaccine efficacy (sero-monitoring) and reporting system to identify reactions after immunization**



REGULATION ON VET. PRODUCTS

Recall of Abuja Meeting: Harmonization of Standards for Registration of Veterinary Vaccines and Certification of Manufacturing Facilities in Africa (objective)

- Use the “**Guideline on the Technical Documentation Required in the Dossier for Registration of Immunological Veterinary Product**” developed for vaccine registration for the EAC as a TEMPLATE
 - Support the “**Establishment of a Network of African Regulatory Authorities**” to exchange information and for capacity building on the harmonisation process
 - AU-PANVAC in collaboration with NRAs and RECs to initiate the “**Development of a Harmonised Guideline for Audit and Certification of vaccine manufacturers**”.
- ❑ Adopted by the 5th Ordinary Session of the STC-ARDWE (Nov. 2024) and subsequently Endorsed by the Executive Council 44th Ordinary Session (AU Summit 2024): **Decision EX.CL/Dec.1234(XLIV)**



IMPLEMENTATION OF RECOMMENDATION ABUJA MEETING

- ❑ Socialisation and implementation of the Guideline for Registration of PPR vaccine: **Translation in AU Languages for validation**
- ❑ Development of Continental Guidelines:
 - Good practices for production and quality control of veterinary vaccines in Africa (AfGMP)
 - Audit and Certification of Vaccine Manufacturers
- ❑ Establishment of the **Network of African Regulatory Authorities**
 - Capacity building
 - Mutual Recognition Procedure (MRP) for vaccine registration



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RP Continental Vaccine Reserve

- ❑ Inaugurated on **31 January 2018** by Chairperson of the AUC, H.E Moussa Faki Mahama



- ❑ 2 RP Vaccine Reserve in World: **AU-PANVAC (Ethiopia) & NIAH (Japan)**
 - AU-PANVAC hold the **Biggest RP vaccine reserve with 2,5 million doses**
 - The stock is currently being replenished with new 10 million doses of RP vaccine



- ❑ Support the Control & Surveillance of Priority Animal Diseases in AUMS
- ❑ 5 Tests Kits available & contributing to reduce by 60-70% the cost of samples testing



Automated platform for Test Kit production



2018-2022: Test kits distributed to 24 AUMS

STRENGTHENING BIOSAFETY AND BIOSECURITY IN VET LAB TO SUPPORT PPR ERADICATION

The main objectives of the planned initiative are:

- ❑ To enhance biosafety and biosecurity measures in veterinary laboratories involved in the PPR eradication program.
- ❑ To ensure safe handling and containment of the PPR virus and other high-risk pathogens to support the eradication program.
- ❑ To establish a comprehensive pathogens inventory management system for PPR materials to facilitate their destruction and sequestration post-eradication.
- ❑ Identify and map facilities in Africa holding PPR virus materials.
- ❑ Develop a plan for the safe destruction or sequestration of these materials at post-eradication.



AU-PANVAC New Facility Complex



- **Vaccine Quality Control laboratory**
- Biological Reagent Laboratory
- **Process development laboratory**
- Biosafety Level 3 Laboratory
- Highly secured storerooms for pathogens organisms
- Vaccine bank and Seeds storage
- **Training and Technology Transfer Center**
- Offices, Conference and meeting rooms, recreation facility and canteen





Thank you 

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