

PASTEUR NETWORK

Global event on enhancing the sustainability of investment for vaccine manufacturing in Africa. 27-29 June 2023

United Nations Conference Centre, UNECA, Addis Ababa, Ethiopia

Presentation of opportunities for investment and partnerships on vaccines and biopharmaceuticals.

A. Who we are, & what we do

- Pasteur Institute of Algeria (PIA) is an Algerian public institution of industrial and **commercial character.** It was established in 1894 with an initial mission to provide rabies treatment for bitten individuals. Over time, it evolved into a centre for scientific research on infectious diseases.
- Currently, the institute has 3 missions:
 - It is a research and diagnostics reference institute in the biological field and infectious diseases:
 - The production and distribution of serums and vaccines for human and veterinary use; - Scientific training.
- The company has 7 sites across the country, 4 of which are located in Algiers. PIA is part of the Pasteur Institutes Network.





Delv Brahim site



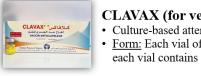
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• Apart from its commercial diagnostics services, PIA current product portfolio includes:

1. Vaccines

RAGIVAC (for human use)

- Tissue-based inactivated rabies vaccine (LP Saigon strain); antigenic titer > 0.3
- Form: Each vial of freeze-dried vaccine is reconstituted with 2 ml of solvent



CLAVAX (for veterinary use)

Culture-based attenuated sheep pox vaccine (strain RM65); TCID50 ≥ 1000 Form: Each vial of freeze-dried vaccine is reconstituted with 3 ml of solvent; each vial contains 100 vaccinating doses.

VET-ERA (for veterinary use)

- Culture-based alive rabies vaccine (ERA strain).
 - · Form: Each vial of freeze-dried vaccine is reconstituted with 2 ml of solvent



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1. Therapeutic sera 1. Support of the series of the

3. Culture media and diagnostics reagents

More than 300 products (complete list available upon request).

4. Laboratory animals

Mice, rats and rabbits.

Biopharmaceuticals annual manufacturing:

	Product	Form	2022 campaign
Vaccines	Antirabies vaccine for human use (RAGIVAC®)	Freeze-dried – 2 ml vials	365 556
	Sheep pox vaccine (CLAVAX®)	Freeze-dried – 100 doses per vial	23 000 000 doses
Therapeutic sera	Scorpion antivenom (IPASCORP®)	5 ml vials	80 072
	Vipers antivenom (IPAVIP®)	5 ml vials	10 749
	Total production	5 ml vials	90 821



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Development goals related to biopharmaceuticals manufacturing

- Building a new GMP-certified facility for the manufacturing of vaccines and therapeutic sera.
- Training the workforce to recent biopharmaceutical manufacturing technologies and cGMPs standards.
- Expanding the human vaccines portfolio of PIA to eventually cover the national needs.
- Expanding the veterinary vaccines portfolio of PIA.
- Improve the preparedness to future health and economic challenges.
- Export of vaccines.
- Improve R&D capabilities on vaccines particularly with mRNA-based and vector-based vaccines.

B. What are we offering

- Exclusive access to the national vaccines market of **more than \$ 110 million value**.
- Land, financial contribution, human resources to be allocated for the biopharmaceuticals manufacturing project.
- Strategic geographical location for international trade, at the center of the Mediterranean region, connecting Africa, Europe and the Middle East.

C. What are we looking for

- **Investing partner(s)** or **investor(s)** to contribute to the funding of the construction of the new manufacturing facility of vaccines and/or therapeutic serums.
- A manufacturing partnership with a producer of WHO prequalified vaccines.

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