S13 – HEALTH & PHARMACEUTICAL INDUSTRY

Strengthening Laboratory Equipment Capacity in 145 Public Health Facilities



Sponsored by **Ministry of Health and Public Hygiene**
Public institution · Health Infrastructure and Equipment Directorate (DIES)

ESTIMATED PROJECT COST	LOCATION	FINANCING SOUGHT	CAPACITY
EUR 4.22 million	**Niger's 8 regions**	**Development partners**	**145 laboratories: 8 regional hospitals (CHR), 7 maternal and child health centers (CSME), 30 district hospitals (HD), and 100 Type II integrated health centers (CSI)**

Funding sought from investors: EUR 4.22 million, covering the entire project cost. Sponsor contribution: construction site and qualified human resources. All monetary figures are in EUR. Converted estimates are indicative and rounded; source estimates may use different valuation bases.

Investment opportunity

Niger's population is estimated at 27,522,748 in 2025. Despite progress, health coverage remains limited: 57.13% of the population lives more than 5 km from a health facility in 2025, and the country has 4 beds per 10,000 inhabitants, compared with a WHO standard of 30 beds per 10,000 inhabitants.

Strengthening health infrastructure and equipment capacity is among the main challenges identified by the 2022–2026 Health and Social Development Plan (PDSS).

The project aims to help improve quality of care by strengthening laboratory capacity in 145 health facilities: regional hospitals (CHR), maternal and child health centers (CSME), district hospitals (HD), and Type II integrated health centers (CSI II), across all 8 regions of the country.

AT A GLANCE

PROJECT SPONSOR	Ministry of Health and Public Hygiene
TARGET POPULATION	Niger's population
REFERENCE	F2IN catalog, project SA-003

PROJECT STATUS

- **Studies** : Not conducted
- **Approvals** : Obtained
- **Site** : Available

Objectives

Improved quality of care

- Provide additional diagnostic equipment to 145 laboratories: 8 regional hospitals, 7 maternal and child health centers, 30 district hospitals, and 100 Type II integrated health centers
- Train users and maintenance technicians

Components

1 Procurement, installation, and commissioning of laboratory equipment for 145 health facilities, including training

Expected outcomes

Results

- 145 laboratories receive additional diagnostic equipment
- Quality care provision is improved through available and reliable ancillary laboratory tests
- All user and maintenance personnel are trained

Outcomes

- Access to ancillary diagnostic tests is improved

Impact

- Reduced maternal and child mortality

Strategic alignment

The project is aligned with the Republic Refoundation Program (PRR), which seeks equitable access to quality health and hygiene services; the 2022–2026 Health and Social Development Plan (PDSS), whose Program 2 provides for strengthening technical capacity at all levels and expanding health coverage from 54.47% in 2022 to 63.56% in 2026; and Strategic Priorities 5 and 6 of the 2021–2030 National Universal Health Coverage Strategy (CSU).

Detailed budget

EQUIPMENT	ACTION	EUR
Clinical chemistry analyzer	15 × EUR 22,867.35	343,010.29
Hematology analyzer	30 × EUR 9,909.19	297,275.58
Hemoglobin electrophoresis system	8 × EUR 12,958.17	103,665.33
Automated immunoassay analyzer	8 × EUR 41,161.23	329,289.88
Hemostasis analyzer (coagulometer)	8 × EUR 4,093.26	32,746.05
Electrolyte analyzer	8 × EUR 8,537.14	68,297.16
ELISA system	15 × EUR 6,860.21	102,903.09
HemoCue	100 × EUR 1,676.94	167,693.92
Biological safety cabinet	8 × EUR 7,088.88	56,711.03
Urine analyzer	30 × EUR 1,448.27	43,447.97
Total		**4,215,253.46**

EQUIPMENT	ACTION	EUR
Semi-automated spectrophotometer	45 × EUR 6,326.63	284,698.54
Fluorescence microscope	8 × EUR 4,764.03	38,112.25
Electric binocular microscope	130 × EUR 952.81	123,864.83
Refrigerated centrifuge	15 × EUR 4,764.03	71,460.48
Electric benchtop centrifuge	45 × EUR 990.92	44,591.34
Hematocrit centrifuge	45 × EUR 1,029.03	46,306.39
Single-tube mixer	45 × EUR 381.12	17,150.51
Kline shaker	30 × EUR 571.68	17,150.51
Blood collection monitor and mixer	30 × EUR 5,526.28	165,788.31
Blood bag tube sealer	30 × EUR 1,943.72	58,311.75
Blood bag warmer	30 × EUR 2,896.53	86,895.94
Double-sided Rh typing viewer	45 × EUR 571.68	25,725.77
Magnetic stirrer with hot plate	30 × EUR 800.36	24,010.72
Reagent refrigerator	30 × EUR 2,667.86	80,035.73
Blood bank refrigerator	30 × EUR 6,555.31	196,659.23
Bacteriological autoclave	8 × EUR 8,422.81	67,382.47
Bacteriological incubator	23 × EUR 3,353.88	77,139.20
Benchtop autoclave	30 × EUR 4,725.92	141,777.59
Precision balance	30 × EUR 1,981.84	59,455.12
Micropipette set	30 × EUR 798.83	23,964.99
Blood collection chair	60 × EUR 1,501.62	90,097.37
Staining tray	100 × EUR 114.34	11,433.68
Bunsen burner	115 × EUR 190.56	21,914.55
Water bath	30 × EUR 975.67	29,270.21
Water distiller	30 × EUR 4,001.79	120,053.60
Set of slides and coverslips	100 × EUR 381.12	38,112.25
Timer	100 × EUR 91.47	9,146.94
Set of test and hemolysis tubes	115 × EUR 266.79	30,680.36
Two-burner gas stove and gas cylinder	115 × EUR 190.56	21,914.55
Total		**4,215,253.46**

EQUIPMENT	ACTION	EUR
Test and hemolysis tube rack	115 × EUR 22.87	2,629.75
Laboratory stool	230 × EUR 129.58	29,803.78
Glucose meter and test strips	115 × EUR 160.07	18,408.22
Wooden test tube holder	200 × EUR 11.43	2,286.74
Opal glass plate for blood typing	230 × EUR 53.36	12,272.15
Laboratory glassware set	30 × EUR 343.01	10,290.31
Three-door refrigerators	7 × EUR 5,869.29	41,085.01
−20 to −80°C freezer	7 × EUR 21,342.86	149,400.04
Thermometer with probe	100 × EUR 102.9	10,290.31
Thermal cyclers for singleplex PCR	5 × EUR 20,199.49	100,997.47
Thermal cyclers for real-time PCR	5 × EUR 20,961.74	104,808.70
Transilluminators	5 × EUR 1,524.49	7,622.45
Thermomixer	5 × EUR 3,811.23	19,056.13
Ultracentrifuge for cryotubes	5 × EUR 4,764.03	23,820.16
Vitek MS	3 × EUR 38,112.25	114,336.76
Total		**4,215,253.46**

Partnerships sought

Government role

Provision of the site and monitoring of works

Risks and mitigation

RISK	PLANNED MITIGATION
Conflict and insecurity; natural disasters	Contingency plan

INVESTOR CONTACT

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INVESTOR INTRODUCTIONS

ANPIPS is the single point of contact: it connects investors with the project sponsor and arranges B2B meetings at F2IN 2026.