

Voice of the customer

Experiences with HumaCLIA 150 in routine labs



Human

Diagnostics Worldwide

Voice of the customer

Why do laboratories choose HumaCLIA 150?

Polyclinic DK - German Medical Center, Kabul, Afghanistan



“HumaCLIA 150 is a reliable instrument that works very precisely and is very convenient to operate. It has not only met but exceeded our expectations, especially the accurate measurement results it provides. We are happy to have found an optimal CLIA system that ensures quality.”

Mr. Christian Diering, General Manager

Polyclinic DK - German Medical Center (Kabul, Afghanistan)

Laboratory Profile

Laboratory Type	Private laboratory in an outpatient clinic
Patients per year	400.000 with more than 200 laboratory samples per day
Diagnostics	Clinical chemistry, hematology, hormone levels, tumor markers, parasitology, infectious diseases, autoimmune diagnostics, microbiology
Technologies in use	Molecular diagnostics, CLIA, ELISA, Line immunoassays (LIA)

The **challenge** this lab experienced was the constant issue of unreliable patient results with their former chemiluminescence ABEI label immunoassay system. Therefore, Mr. Christian Diering, the General Manager of the “DK - German Medical Center” in Kabul, was looking for an alternative CLIA system.

The **solution** was to purchase a HumaCLIA 150. This system was the first of its kind to be installed in a routine laboratory, in Afghanistan in 2020.

After a quick installation and a very short application training with online support by the supplier in Wiesbaden, Germany, during the Covid 19 pandemic, the system was immediately active in Kabul. The **benefits** of the HumaCLIA 150 system became visible, at once. Mr. Diering emphasized the faster time to result and the lower operating costs due to the use of single cuvettes in bulk format with HumaCLIA 150, compared to his previous instrument that offered less operating flexibility and involved higher costs

due to the requirement of cuvette-strips. The reagent stability of the HumaCLIA 150 system, allows the continuous release of reliable patient results. In addition, the staff in the laboratory is now enjoying an enhanced working-efficiency, as the system is easy in handling and is running smoothly, ever since it was installed.



First-hand experience
HumaCLIA 150 in
Kabul

MBL (Medicinsko-biokemijski laboratorij) Jasenka Nemec, Zagreb, Croatia



“We value our new HumaCLIA 150 system for its advanced technology that supports the laboratory’s standardized workflow with highly sensitive assays.”

Mrs. Jasenka Nemec, Owner of the laboratory
Medicinsko-biokemijski laboratorij (Zagreb, Croatia)

Laboratory Profile

Laboratory Type	Private laboratory with a contract with the Croatian health insurance fund
Patient samples per year	More than 149.000
Diagnostics	Biochemistry, hematology, coagulation, immunochemistry (hormones, PSA), electrochemistry (ISE), urine tests, stool tests, rapid tests
Technologies in use	Photometric UV, immunoturbidimetry, potentiometry, spectrophotometry, reflectance photometry, HPLC, ELISA and CLIA

This laboratory used ELISA assays to run 5.000 TSH and almost 1.500 PSA samples per year. The lab was **challenged** by the need to choose and switch to a more modern technology, like electrochemiluminescence (ECLIA) or chemiluminescence microparticle immunoassay (CMIA or CLIA) system.

Since the lab was fully equipped and very satisfied with HUMAN analyzers like Elisis Uno, HumaCount 5L, HumaLyte Plus, HumaNex A1c and HumaClot Duo, the **solution** was to switch to HumaCLIA 150 as soon as the analyzer became available and to replace their ELISA assays.

HumaCLIA 150 is using chemiluminescence detection technology and the laboratory now **benefits** from and enjoys many aspects that come with this system.

- > Faster time to result with approx. 30 minutes compared to ELISA with up to 2 hours.
- > Easier and more straight forward handling requiring assay calibration only once per month, compared to every run with ELISA.
- > HumaCLIA 150 supports reliable patient results through standardized workflow and offers high sensitivity assays.

HumaCLIA 150 System

Overview

System Overview

HumaCLIA 150	REF 15910
Analyzer type	Benchtop
System description	Random-access chemiluminescence immunoassay system
Throughput	Up to 150 tests per hour
Assay technology	Acridinium ester technology
Dimensions (WxDxH)	1030 x 750 x 710 mm

Reagent Management

Onboard assay capacity	20 (cooled 2...8°C)
Assay kit size	2 x 50 tests, including calibrator
Reagent type	Liquid, ready-to-use
Liquid level sensor	Yes

Consumable Management

Onboard cuvette capacity	1000 reaction cuvettes (bulk format)
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System Operation

Color touch screen	Yes
Test request format	Profile definition capability; Customizable reflex-testing
Onboard maintenance	Yes, scheduling and log
Host interface	RS-232/LAN (bidirectional), Protocol ASTM/HL7

Sample Management

Sample types	Serum, Plasma
Onboard sample positions	50 (rack system); STAT
Automatic sample dilution	Yes
Liquid level sensor	Yes
Sample clot detection	Yes
Result traceability	Sample ID, reagent and control lot, consumable lot, unique reagent vial ID, calibrator lot and time

For more information on chemiluminescence detection technology and the HumaCLIA 150, visit www.human.de/products/cli or use the following QR codes:



HumaCLIA 150 system



www.human.de

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