

H60 Hematology Analyzer

Specification

Parameters NEW

25 reportable parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC.

8 research parameters include LIC%, LIC#, ALY%, ALY#, **NRBC%**, **NRBC#**, NLR,PLR

3 histograms for **WBC**, RBC and PLT

2 scattergrams for DIFF and BASO

Performance	Parameter	Linearity Range	Precision (CV %)
	WBC (10 ⁹ /L)	0.0-500	≤3.0% (3.50-7.00) ≤2.5% (7.01-15.00)
	RBC (10 ¹² /L)	0.0-8.5	≤1.5% (3.5-6.5)
	HGB (g/L)	0-250	≤1.5% (100-180)
	PLT (10 ⁹ /L)	0-4000	≤5.0% (100-500)
	MCV (fL)		≤1.0% (70-120)

Principles

Semiconductor laser flow cytometry analysis for WBC, DIFF and BASO counting

Electrical impedance method for RBC, PLT counting

Cyanide-free reagent for HGB with colorimetric method

Sample Volume

Whole blood mode	16 µL
Capillary whole blood mode	16 µL
Pre-diluted mode	20 µL

Reagent

HD600 Diluent 20L
HL600 Lyse 500mL/1L
HC310 Cleaner 50mL

Operating Environment

Temperature: 15°C~32°C;
Humidity: 30% RH~85% RH;
Air pressure: 70 kPa~106 kPa

Throughput

60 samples per hour

Interface

12 inch colorful touch screen

Control and Calibrator

ED-60D, ED-CAL PLUS

Data Storage Capacity

100, 000 results including results and histograms
60 QC files (100 data per file)

Dimension and Weight

501(D)×320(W)×502.5(H)
Weight: 29.3kg



Deliver reliable results with maximum uptime

H60 Hematology Analyzer



About Edan

Edan is a healthcare company dedicated to improving the human condition around the world by delivering value-driven, innovative and high-quality medical products and services. For over 20 years, Edan has been pioneering a comprehensive line of medical solutions that address a broad range of healthcare practices including:

- Diagnostic ECG
- Patient Monitoring
- OB/GYN
- Ultrasound Imaging
- Point-of-Care Testing
- *In-Vitro* Diagnostics
- Veterinary

Healthcare professionals around the world depend on Edan's breakthrough medical technologies and outstanding customer support.



A world of potential

Global Headquarters:
Edan Instruments, Inc. | 15 Jinhui Road, Pingshan District, Shenzhen,
518122 P.R. China | +86.755.26898326 | www.edan.com | info@edan.com

U.S. and Canada inquiries:
EDAN Diagnostics, Inc. | 9918 Via Pasar, San Diego, CA 92126
+1.858.750.3066 | www.edandiagnostics.com | edan-info@edandiagnostics.com

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Not all products or features are available in all countries, contact Edan for local availability.



ENG-IVD-H60-V1.4-20230424



A world of potential

ELEGANT DESIGN AS USUAL

At Edan, we are a new player in the IVD field, while we are well known around the world for the excellence of our medical products. We are a successor in hematology, whereas we are not a follower. We are, as USUAL, to provide professional service and trustable performance to reshape your experience.

We are on a journey to understand your needs, solve your challenges and provide a better solution. Our fundamental goal is to make sure our products truly meet your needs without generating an extra burden. And this is about design.

A good design includes everything, which influences the entire user experience. Our answer is Elegant Design as USUAL.

Within our Elegant Design concept, we are emphasizing five tenets to enhance your experience.

USER | SPACE | OUTLINE | SERIAL | LIFESPAN



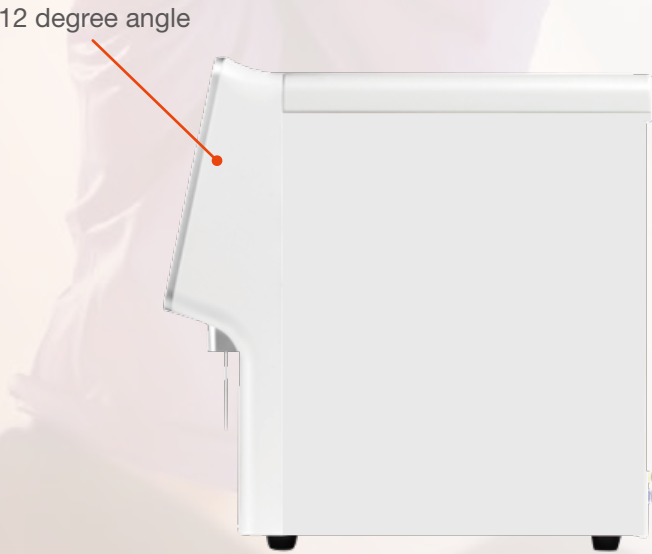
USER
Design with user-oriented

SPACE
Design to suit your surroundings

OUTLINE
Design to simplify your operation

SERIAL
Different model tailored to your needs

LIFESPAN
Design for long product life



H60 SERIES: BRIGHTEN YOUR HEMATOLOGY LIGHTEN YOUR WORK

People who work in the laboratory deserve great respect and attention. It's a challenging job with a high workload and fast response. Every day, with patients and physicians counting on you, you have no space for error and hardly have time to breathe, so you have to be focused at all times. Having the right instrument is the ultimate solution.

We invent the requirements and explore the pain points to develop a new concept in hematology. The hematology approach has been in the market for decades, but many challenges haven't been tackled. Adapted to the fundamental but significant appeal points, the Edan H60 series can well suit your needs.

The Edan H60 series are positioned in low to moderate volume laboratories, committed to lightening your work with an enjoyable experience. Equipped with an integrated, intuitive operation system, it brings a reliable system with clinical values and effective cost control. The Edan H60 series is tailored to you.

FREE YOU WITH MAXIMUM UPTIME

DETAILS THAT LIGHTEN YOUR WORK



Reagent management
via RFID card
secure your reagent
business



12-inch
colorful touch screen

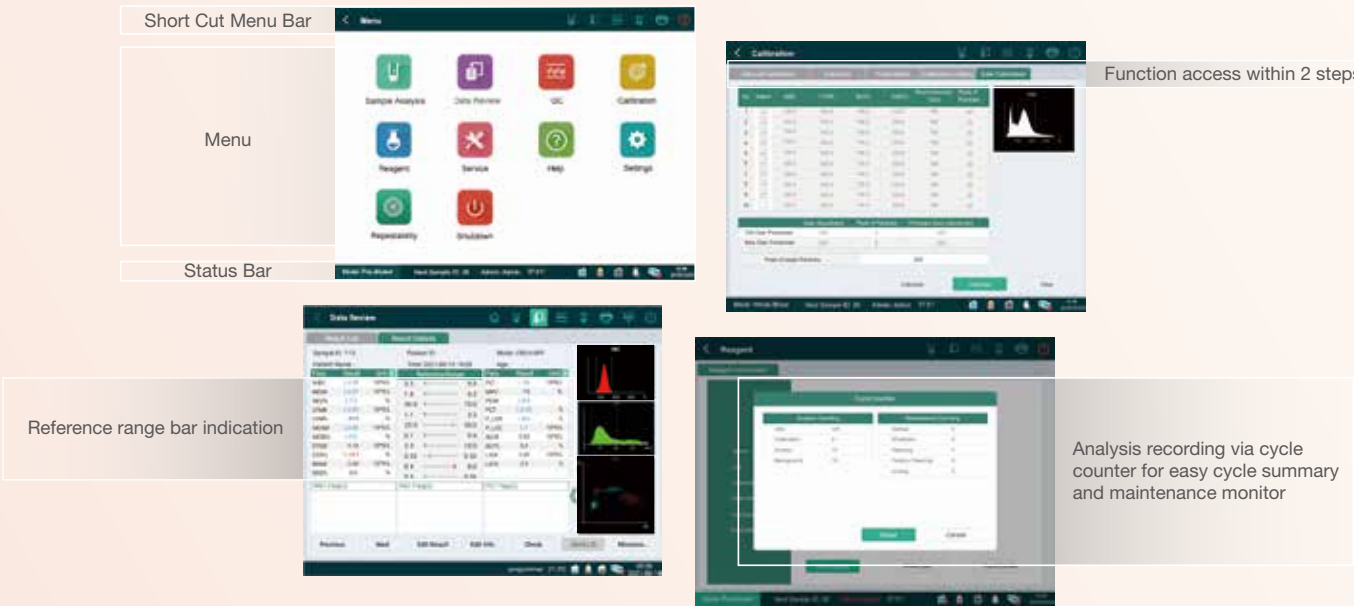


Two routine reagents
to support test



16 microliter of
sample aspiration

INTUITIVE SYSTEM THAT SIMPLIFIES YOUR HANDLING



The system that stands out

The H60S features a whole set of user-oriented functions that are hard to find elsewhere. Its android-based system has a similar experience as a smartphone – pleasure-to-operate and easy-to-use. You can get to any functionality within two steps. The 12-inch colorful touch screen makes working with H60S and viewing its results exceptionally straightforward.

Outstanding graphic interface

The user interface is undoubtedly the most visible and best-appreciated feature of the H60 series. Different set-up views, each optimized for various user situations, facilitate routine use. The most common include a sample view showing classic graphs and all parameters within one page. The other sample view features the most practical reference bar display that indicates the results' status. The comprehensive information on the short-cut menu bar and status bar give you fast access to any primary function.

Communicate and print like never before

An integrated workstation with the HIS and LIS connections further streamlines analysis and reporting. Standardized HL7 protocol and storage capacity extends up to 100,000 easily accessible sample files. The print function has the most flexible options that allow you to print individual sample results and control tests, L-J graphs, or QC lists with any parameters selection.

SENSITIVE FLAGGINGS THAT ASSIST YOUR INSIGHTS

NRBC

NRBC PRESENCE FLAGGING

REMINDED TO CORRECT WHITE BLOOD CELL COUNTS BY SMEAR

NRBC

ALY

ABNORMAL LYMPHOCYTE FLAGGING

SUSPICIOUS OF VARIANT LYMPHOCYTES AND MALIGNANT LYMPHOCYTES

Abn-Lym

EOSINOPHILIA

HIGH SPECIFICITY ON EOSINOPHIL

GREAT DIFFERENTIATION ON EOSINOPHILIA SAMPLES

Eos

IG

IG PRESENCE FLAGGING ASSESSMENT OF SEPSIS AND INFLAMMATION

COMPRISED OF METAMYELOCYTES, MYELOCYTES & PROMYELOCYTES

IG

DIFF

10 DIFF PARAMETERS

HIGH CLUSTERING OF 5-DIFF

TWO 2D SCATTERGRAMS

HIGH SENSITIVITY FLAGGING

DIFF

BASO



**EDAN**

EDAN INSTRUMENTS, INC.

DECLARATION OF CONFORMITY TO COUNCIL DIRECTIVE 98/79/EC

MANUFACTURER: Edan Instruments, Inc.
#15 Jinhui Road, Jinsha Community, Kengzi Sub-District,
Pingshan District, 518122 Shenzhen, P.R.China

EUROPEAN REPRESENTATIVE: Shanghai International Holding Corp. GmbH
Eiffestrasse 80, 20537 Hamburg Germany

PRODUCT/ MODEL: Hematology Analyzer/ H60, H60S, H66, H66S, H68, H68S,
H69, H69S
Reagents for Hematology Analyzer/ HD600 Diluent, HL600
Lyse, HC600 Cleaner, ED-60D Control H, ED-
60D Control N, ED-60D Control L Hematology
Controls, ED-CAL PLUS Hematology Calibrator.

The accessories are used together with the product.

EDMA[Name/Code]: CC Hardware + accessories + consumables + software/23.01.10.01.00
CBC-Reagents(Cleaning-/Diluting-/Lysing-/Sheat-fluids)/13.01.01.01.00
Blood Multilevel Controls/ 13.01.50.03.00
Whole Blood Calibrators/ 13.01.50.07.00

CLASSIFICATION: General/other device, devices other than those covered by Annex II and devices for performance evaluation, non-self-testing, according to article 9 of IVDD.

CONFORMITY ASSESSMENT ROUTE: Annex III

WE, EDAN INSTRUMENTS, INC., HEREWITH DECLARE THAT THE ABOVE MENTIONED PRODUCT(S) MEET THE TRANSPOSITION INTO NATIONAL LAW, THE PROVISIONS OF COUNCIL DIRECTIVE 98/79/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 OCTOBER 1998 ON IN VITRO DIAGNOSTIC MEDICAL DEVICES.

ALL SUPPORTING DOCUMENTATION IS RETAINED AT THE PREMISES OF THE MANUFACTURER.

STANDARDS APPLIED: **EN ISO 14971: 2012, IEC 61010-1:2017, IEC 61010-2-101:2018, EN 61326-1:2013, EN 61326-2-6:2013, EN 62304:2006 +A1:2015, EN 62366-1:2015, EN 1041: 2008+A1:2013, EN ISO 15223-1:2016, EN ISO 18113-1:2011, EN ISO 18113-2:2011, EN ISO 18113-3:2011, EN 13612:2002, EN 13641:2002, EN ISO 17511:2003, EN ISO 23640:2015**

CE MARK



START OF CE-MARKING:

2021. 8. 10

PLACE, DATE OF ISSUE:

SHENZHEN, 2021. 8. 10

SIGNATURE:

NAME **LIU YONGYING**
MANAGEMENT REPRESENTATIVE



Certificate

No. Q5 091264 0016 Rev. 04

Holder of Certificate:

Edan Instruments, Inc.

#15 Jinhui Road, Jinsha Community, Kengzi Sub-District
Pingshan District
518122 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Scope of Certificate:

Design and Development, Production and Distribution of Transcranial Doppler System, Fetal Monitor, Fetal & Maternal Monitor, Patient Monitor, Central Monitoring System, Ultrasonic Pocket Doppler, Electrocardiograph, Pulse Oximeter, Digital Ultrasonic Diagnostic Imaging System, STRESS ECG, PC ECG, Vital Signs Monitor, Finger Oximeter, Ultrasonic TableTop Doppler, Data Management Software, Trolley (for medical use), ECG Electrode, Holter System, Treadmill (for medical use), Diagnostic Ultrasound System, Ultrasonic Imaging Management System, Blood Gas and Chemistry Analysis System (including Blood Gas and Chemistry Analyzer, Calibrant Fluid Pack, Test Cartridge, Controls, External electronic simulator, capillary adaptor, Ampoule adaptor), Hematology analyzer; Reagents for Hematology Analyzer (including diluent, lyse, cleaner, bleach, hematology control, hematology calibrator), Video Colposcope, Ultrasonic Transducer, TOCO Transducer, SPO2 Sensor, Temperature Probe, ECG Cable, Telemetry Transmitter, NIBP Cuff, Specific Protein Immunoassay System (including Protein Assay kit, Assay buffer, Sample dilution buffer, Washing buffer, Protein Analyzer), Biofeedback and Stimulation System, EMG/ Stimulation sensor, Ambulatory Blood Pressure Monitor, NIBP Tube, Connection Cable, Water Trap, Needle Guide Bracket, ECG analysis software, Fetal Telemetry System, Holter ECG and ABP System, Blood Sampler, Molecular Diagnostic System (including Molecular Diagnostic Analyzer, Test Kit, Sample Collection Tube), Colloidal Gold Immunosassay Analyzer, Blood Pressure Monitor

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). All applicable requirements of the testing and certification regulation of TÜV SÜD Group have to be complied with. For details and certificate validity see:

www.tuvsud.com/ps-cert?q=cert:Q5 091264 0016 Rev. 04

Report No.:

BJ22089104

Valid from:

2023-06-26

Valid until:

2025-11-30

Date, 2023-06-26

Christoph Dicks

Head of Certification/Notified Body

Certificate

No. Q5 091264 0016 Rev. 04

Applied Standard(s): EN ISO 13485:2016
Medical devices - Quality management systems -
Requirements for regulatory purposes
(ISO 13485:2016)
DIN EN ISO 13485:2016

Facility(ies): **Edan Instruments, Inc.**
#15 Jinhui Road, Jinsha Community, Kengzi Sub-District,
Pingshan District, 518122 Shenzhen, PEOPLE'S REPUBLIC OF
CHINA

See Scope of Certificate



CERTIFICATE OF TRAINING

Sergiu Sorocovici,

From "GBG-MLD" SRL, has successfully completed H30 pro, H60 series training courses including operation and maintenance, and is qualified to offer technical support for above mentioned products.

深圳市理邦精密仪器股份有限公司
EDAN INSTRUMENTS, INC.

赖晓宇

International Customer Service Manager

Date Nov 1st, 2023