

*Technical Specifications

Parameters

22 reportable parameters: WBC, LYM, MID, GRA, LYM%, MID%, GRA%, Hgb, RBC, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, PCT, MPV, PDW-SD, PDW-CV, Mentzer index, Sehgal index

4 Research parameters: PLCR, PLCC, GLR, PLR

Measuring Method

Electrical Impedance for WBC, RBC and platelets
Non-cyanide Photometric Hemoglobin detection method

Sample Mode & Aspiration Volume

Whole Blood – 7.5µL

Dilution or High mode - 3.75µL

Calibration

Manual & Automatic calibration

Throughput

Results within 60 seconds*

Reagent System

Diluent, Lyse

-UltraDil Pro+ : 1 x 20L

-UltraLyse Pro+ : 1 x 500ML

-UltraClear Pro+ : 1 x 250ML

Display

8" Touch Panel Colour LCD with back light

Quality Control

Tri-level QC with LJ plot

Alarm System

Low volume (20%) blinking indicator for Diluent, Lyse

Operating Environment

Temperature: 15°C - 35°C

Humidity: 30 - 80%

Auto Blanking

Yes

Printer

Built-in thermal printer

Data Storage

20,000 Patient Records with Histogram

External Output

RS232, USB

Histograms

RBC, WBC and Platelets

Weight

Approx 17kg

Dimensions

L(430mm) x W(280mm) x H(425mm)

LIS

Unidirectional

Power Requirement

110/220VAC (±10%), 50/60Hz (± 3Hz), 75W

Precision

Whole Blood Measurement	WBC	< 3.00%
	RBC	< 2.00%
	Haemoglobin concentration	< 2.00%
	Hematocrit	< 2.00%
	Platelet	< 5.00%
High mode Measurement	WBC	≤ 7.00%
	RBC	≤ 5.00%
	Haemoglobin concentration	≤ 5.00%
	Hematocrit	≤ 5.00%

(In normal samples)

Linearity Range

WBC	Upto 100.0	(x10 ³ /µL)
RBC	Upto 10	(x10 ⁶ /µL)
Haemoglobin concentration	Upto 25	(g/dL)
Platelet	Upto 1500	(x10 ³ /µL)



AGD HT-340

3 - PART HEMATOLOGY ANALYZER



MANUFACTURING EXCELLENCE



JAPANESE PRECISION

Setting the Benchmark in Hematology



*Specifications are subject to change without the prior notice of manufacturer

*Theoretically

AGD Biomedicals Pvt. Ltd. P : +91-22-28231061/66
Mehta Trade Center,
Sir M. V. Road, Andheri East, sales@agdbio.com | www.agdbio.com

ISO : 9001 : 2015
ISO : 13485 : 2016



AGD-HT-340 is a high-performance 3-part Hematology Analyzer designed for fast, accurate, and dependable CBC analysis in one compact system. Every analysis is designed to support faster workflows and more informed diagnostic decisions.

AI-Driven 17 Pathological Flags. Transforming Reports into Clinical Confidence

RBC flags : Hypochromasia, Anisocytosis, Microcytosis, Macrocytosis, RBC Agglutination, Erythrocytosis, Anemia, Hgb Interference, Dimorphic Anemia

WBC flags : Leucocytosis, Leucopenia, Lymphocytosis, Lymphopenia

PLT : Thrombocytosis, Thrombocytopenia, Large Platelet, RBC/Platelet interference

22 Reportable Parameters & 4 Research Parameters

RBC : Hgb, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, MENTZER INDEX SEHGAL INDEX.

WBC : LYM, MID, GRA, LYM%, MID%, GRA%.

PLT : PLT, PCT, MPV, PDW-CV, PDW-SD

4 Research Parameters : PLCR, PLCC, GLR, PLR

WHY AGD HT-340?

More Intelligence. More Precision. More Confidence.

Comprehensive
Parameters
(26)

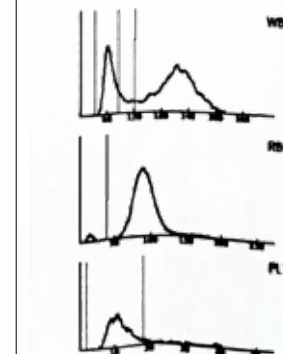
17 AI-Driven
Pathological
Flags

7.5 μ L
Ultra low
aspiration volume

Exclusive
Mentzer & Sehgal
Indices

Advanced Fixed
& Floating
Discriminators

Best in class
Linearity



AGD BIOMEDICALS PVT LTD			
Date:	30/06/2026	12:14:36	
Patient No:	24		
Patient Name:	SMP0000000024		
Test time:	30/06/2026	12:15	
MODE :	VEIN		

WBC	7.6	$10^3/\mu$ L	
LYM	2.0	$10^3/\mu$ L	
MID	0.4	$10^3/\mu$ L	
GRA	5.2	$10^3/\mu$ L	
LYM%	27.5	%	
MID%	4.8	%	
GRA%	67.7	%	
RBC	4.27	$10^6/\mu$ L	L
Hgb	12.6	g/dL	L
HCT	36.5	%	L
MCV	85.4	fL	
MCH	29.5	pg	
MCHC	34.5	g/dL	
RDWc	11.8	%	
RDWs	37.2	fL	L
PLT	245	$10^3/\mu$ L	
PCT	0.21	%	
MPV	8.9	fL	L
PDWc	9.8	%	
PDWs	8.3	fL	L
PLCR	18.4	%	
PLCC	45.2	$10^3/\mu$ L	H
MT	20.0		
ST	1708.0		
GLR	2.6		
PLR	122.5		



Quality and Performance :

- High linearity
- Dual mode operation
- 17 Flags for improved diagnosis



Stand by mode :

- Activated if not in use for 30 mins
- No reagent consumption
- Most unique feature with lowest operating cost



User friendly Ergonomics :

- 8" Touch screen system with large back-light LCD screen allows easy & simple operation
- Built-in thermal printer



Sample modes :

- Normal mode - Usual blood sample
- Dilution or High Mode



Accurate & Reliable results :

- Accurate and reliable results powered by Advanced Impedance Technology - with only 7.5 μ L of sample



Automation at its best :

- Probe cleaning & internal system cleaning
- Floating & fixed discriminators

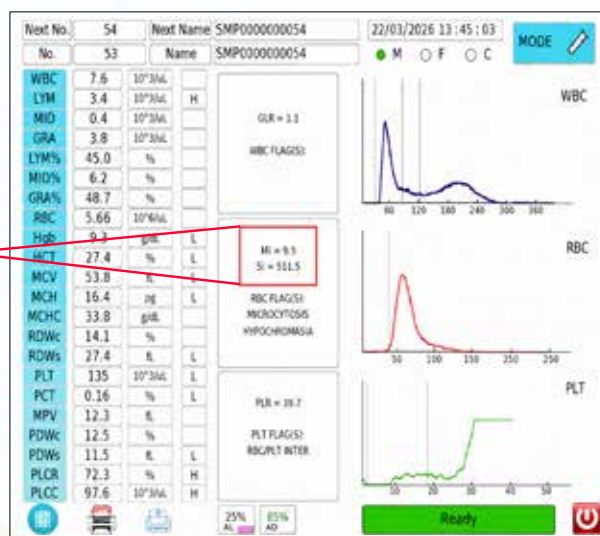


SPECIAL FEATURES

MI < 13 Beta Thalassemia minor
MI > 13 Iron Deficiency Anemia
SI < 970 Beta Thalassemia minor
SI > 970 Iron Deficiency Anemia

Screening tool for accurate differentiation between Iron Deficiency Anemia (IDA) and Beta Thalassemia

Minor with **Mentzer Index**
&
Sehgal Index



Our presence across the globe is itself testimony to our consistent efforts towards quality