

Alegria®-Test Systems

Diagnostics of Autoimmune Diseases

Rheumatology Diagnostics

ANA Detect
 ANAscreen
 Anti-alpha-Fodrin IgG, IgA
 Anti-C1q
 Anti-CCP *hs (high sensitive)*®
 Anti-Centromere B
 Anti-dsDNA IgG, IgM, IgA, Screen
 Anti-Histone
 Anti-Jo-1
 Anti-MCV®
 Anti-Nucleosome
 Anti-Rib-P
 Anti-RNP / Sm
 Anti-RNP-70
 Anti-Scl-70
 Anti-Sm
 Anti-SS-A 52
 Anti-SS-A 60
 Anti-SS-A
 Anti-SS-B
 Anti-ssDNA
 ENAscreen
 Rheumatoid Factor IgG, IgM, IgA, Screen

Thrombosis Diagnostics

Anti-Annexin V IgG, IgM
 Anti-beta-2-Glycoprotein I IgG, IgM, IgA, Screen
 Anti-Cardioliplin IgG, IgM, IgA, Screen
 Anti-Phosphatidic Acid IgG, IgM
 Anti-Phosphatidyl Inositol IgG, IgM
 Anti-Phosphatidyl Serine IgG, IgM
 Anti-Phospholipid Screen IgG, IgM
 Anti-Prothrombin IgG, IgM, IgA, Screen

Diagnostics of Infectious Diseases

Anti-Borrelia IgG, IgM Abs.
 Anti-B. pertussis Toxin IgA, IgG
 Anti-Chlamydia pneumoniae IgA, IgG, IgM Abs.
 Anti-Chlamydia trachomatis IgA, IgG, IgM Abs.
 Anti-EBV (EBNA-1) IgG
 Anti-EBV (VCA) IgG, IgM Abs.
 Anti-EBV (ZEBRA) IgM
 Anti-Helicobacter pylori IgA, IgG

Alegria® Reagents and Accessories

Alegria® Positive Control
 Alegria® Negative Control
 Flush Routine Solution

ANCA- and Vasculitis Diagnostics

ANCAscreen
 ANCAscreen *hs (high sensitive)*
 Anti-BPI
 Anti-Cathepsin G
 Anti-Elastase
 Anti-GBM
 Anti-Lactoferrin
 Anti-Lysozyme
 Anti-MPO (pANCA)
 Anti-PR3 (cANCA)
 Anti-PR3 *hs (high sensitive)*

Gastroenterology Diagnostics

AMA-M2
 Anti-DGP IgA, IgG, Screen
 Anti-Gliadin IgA, IgG, Screen
 Anti-gp210
 Anti-Intrinsic Factor
 Anti-LKM-1
 Anti-Parietal Cell
 Anti-SLA
 Anti-Sp100
 Anti-Tissue-Transglutaminase IgA, IgG, Screen
 ASCA IgG, IgA

Thyroid Diagnostics

Anti-TG
 Anti-TPO

Diabetes Diagnostics

Anti-Insulin

Miscellaneous

25-OH Vitamin D₃/D₂
 Calprotectin

25-OH Vitamin D₃/D₂ Control Set
 Calprotectin Stool Extraction Medium
 LIS (Laboratory Information System) License



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Alegria® – The Future of Life

The New Dimension in Automation

The random access analyser Alegria® represents a new dimension in the fields of autoimmune and infectious disease diagnostics. Thanks to SMC® Technology developed by ORGENTEC, Alegria® provides a fully automated process for the detection of antibodies.

With Alegria® even individual samples can be processed – or up to 30 samples in a single run, in any combination. This makes possible a lean workflow according to the needs of a modern and economical laboratory, for rapid diagnostic results, and high efficiency and quality in the laboratory.

Alegria® makes sample collection a thing of the past. Material can be tested as soon as it is sent in. Rapid sample processing and the prompt transmission of analytical results provide speed for the treating physician and service for the patient.

All test applications by ORGENTEC Diagnostika are evaluated according to the European In-vitro Diagnostic Directive (IVDD) and meet the latest quality guidelines.

Overview of the system's most important advantages:

- fully automatic analytical system
- prompt and cost-effective analyses, even for a single sample
- random access: unrestricted sample selection, individual test parameters
- SMC® Technology – for precise analyses and accurate data handling
- over 100 test systems available
- up to 30 samples with individual results in a single test run, delivered in only 90 minutes
- each result is validated by its own standard

Total Power Consumption: 200 W

Touchscreen: 10 inch, colour LCD screen

Thermoprinter: 112 mm, Ø 47 mm

Power Supply: 100-240 V, 50-60 Hz

Dimensions (W x H x D): 800 x 703 x 570 mm

Weight: 53 kg

Optics: LED technology, 650 nm

Worldwide Customer Service



SMC® Technology for Reliable Data Management



Test Strips with SMC® Technology

Accurate SMC® Technology

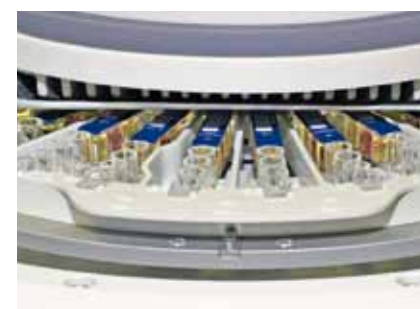
- Each Alegria® Test Strip with proprietary SMC® Technology (Sensotronic Memorized Calibration) includes a complete set of reagents for testing the individual sample.
- The complete test data are transferred to the system through individual barcodes.
- The individual barcode of the Alegria® Test Strip includes all necessary information about the test, analysis and evaluation, as well as the expiration date of the test.
- For every individual analysis, SMC® Technology guarantees that only assays meeting most challenging quality requirements are used.



SysTray with Alegria® Test Strips

Efficient sample and reagent management

- Each of the three system trays (SysTray A, B, C) can be loaded with up to ten Alegria® Test Strips.
- Within one single run up to 30 different samples can be tested for individual parameters. Tests for autoimmune disease diagnostics and infection serology can be processed simultaneously in the same test run.
- Each Alegria® Test Strip includes two wells for sample handling, two incubation wells for the patient sample and the cut-off control, and a complete set of reagents (including sample buffer, conjugate, substrate and internal cut-off control).
- All reagents are stored in hermetically sealed wells, which are opened immediately before use in the assay. Thus, external influence and contamination are reliably prevented.



Incubation chamber

Incubation unit secures standardised conditions

- Inside the temperature-controlled incubation unit, all processes take place under strictly standardised conditions.
- System start-up is only initiated when the predefined climate conditions are reached. Therefore, the overall performance of the Alegria® system and the accuracy of the test results cannot be influenced by external factors.
- Preparations for the next run of Alegria® can be made while the system is still finishing a previous run. The system is customisable at a high rate, and sample throughput can be maximised.
- Within the incubation unit the test-specific data for each Alegria® Test Strip is read off based on SMC® Technology and assigned to the corresponding sample.

Easy-to-use, Interactive Menu Control



External barcode identification

Barcode management

- An external barcode reader is used to assign the individual patient samples to the positions in the system.
- In conjunction with the test-specific information processed by SMC® Technology, each sample is analysed individually, making mix-ups impossible.

Integrated printer

- At the end of every test run, the complete patient data and the corresponding test results are sent to the integrated printer.



Touchscreen control

Software connection for reliable data management

- Both, the overall performance and data management are Windows®-supported, making it fast and easy to establish a bidirectional connection to external laboratory information systems (LIS) via optionally available LIS standard protocols.
- By means of external Windows®-based maintenance and system software, Alegria® is programmable and customisable by external technicians.
- The integrated modem makes it possible to access the entire system at any time.

User-friendly touchscreen display

- All functions of the system can be controlled by means of easy-to-use software and the user-friendly, integrated touchscreen display.



System liquid supply

Low-maintenance fluids supply

- The Alegria® instrument contains four reagent containers: two canisters for the wash buffer (1 litre each), one canister for Alegria® System Fluid (2.5 litres), one canister for liquids consumed (5 litres).
- When in use, all containers are connected to strictly separated precision pump systems.

Order number of Alegria® is ORG 300-00

Order numbers of LIS (Laboratory Information System) License 1, 5, 10 or 25 licenses: ORG 308-01, ORG 308-05, ORG 308-10, or ORG 308-25