

AESKUBLOTS® BLOT TEST KITS

Reagents validated and optimized for automation with **HELIA®** & **HELMED®** BLOT, additional profiles are under development:

AESKUBLOTS® FOOD INTOLERANCE TEST KITS

Reagents intended for fully automated performance with HELIA, quantitative results in kUA/L or classes. Additional profiles will follow.

AESKUBLOTS® ALLERGY TEST KITS

Reagents intended for fully automated performance with HELIA, quantitative results in kUA/L or rast classes. Additional profiles will follow.

ALLERGY ONE	ALLERGY TWO	ALLERGY THREE	ALLERGY FOUR	ALLERGY FIVE	ALLERGY SIX	ALLERGY SEVEN
REF 421001	REF 421002	REF 421003	REF 421004	REF 421005	REF 421006	REF 421007
 Barcode - Standard 5 (function control) - Standard 1 (negative control) - Standard 2 - Standard 3 - Standard 4 Egg white (f1) Egg yolk (f75) Milk (f199) Cod (f3) Wheat (f4) Soy bean (f14) Peanut (f13) Cashew nut (f204) Crab (f231) Shrimp (f24) Beef (f27) Lamb (f88) Tomato (f25) Pineapple (f52) Mango (f91) Common ragweed (w1) Mugwort (f1) Treemix (f21) Cat dander (e1) Dog dander (e5) House dust (h1) House dust mites (dx2) Cockroach, German (f6) Mould mix (mx1) total IgE (lgE) CCC (CCC) total IgE (lgE) Function control	 Barcode - Standard 5 (function control) - Standard 1 (negative control) - Standard 2 - Standard 3 - Standard 4 Dermatophagoides pteron. (d1) Dermatophagoides farinae (d2) Bloom tropicalis (d201) Cat dander (e1) Dog dander (e5) Rat epithelium (e73) Egg white (f1) Milk (f199) Wheat (f4) Oat (f7) Maize (f8) Rice (f9) Sesame (f10) Velvet grass (g13) Bermuda grass (g2) Timothy grass (g6) Kentucky blue grass (g8) Cockroach, German (g6) Lettuce (k2) Cladosporium herbarum (m2) Aspergillus fumigatus (m3) Blue gum (t18) Pine (t230) Birch (t3) Date palm (t214) Common ragweed (w1) Quails' quarters (w10) Cocklebur (w13) Mugwort (w6) total IgE (lgE) CCC (CCC) total IgE (lgE) Function control	 Barcode - Standard 5 (function control) - Standard 1 (negative control) - Standard 2 - Standard 3 - Standard 4 Egg white (f1) Milk (f199) Wheat (f4) Oat (f7) Maize (f8) Rice (f9) Sesame (f10) Mustard (f89) Peanut (f13) Cockroach mix (x1) Ficus (k81) Latex (k82) Cladosporium herbarum (m2) Alder (t216) Birch (t3) Hazelnut (t4) Olive (f9) Poplar (t14) Walnut (t16) Nut mix (f102) Shrimp (f24) Crab (f23) Fish mix (fx103) Chicken (f83) Red meat mix (fx103) total IgE (lgE) CCC (CCC) total IgE (lgE) Function control	 Barcode - Standard 5 (function control) - Standard 1 (negative control) - Standard 2 - Standard 3 - Standard 4 Common Ragweed (w1) Mugwort (w6) English plantain (w9) Pellitory (w21) House dust mites (dx2) Cat dander (e1) Horse dander (e3) Dog dander (e5) Cockroach mix (x1) Ficus (k81) Latex (k82) Cladosporium herbarum (m2) Alder (t216) Birch (t3) Hazelnut (t4) Olive (f9) Meat (fx93) Wheat (f4) Rice (f9) Soy bean (f14) Wasp venom (f3) Potato (f35) Peanut (f13) Hazelnut (t17) Almond (f20) Timothy grass (g6) Rye (g12) CCC (CCC) total IgE (lgE) Function control	 Barcode - Standard 5 (function control) - Standard 1 (negative control) - Standard 2 - Standard 3 - Standard 4 Tomato (f25) Carrot (f31) Celery (f85) Mustard (f89) Orange (f33) Strawberry (f44) Apple (f49) Peach (f53) Kiwi fruit (f64) Egg white (f1) Milk (f199) Common Ragweed (w1) Cat dander (e1) Horse dander (e3) Dog dander (e5) Dermatophagoides pteronissimus (d1) Dermatophagoides farinae (d2) Latex (k82) Cladosporium herbarum (m2) Alder (t216) Birch (t3) Hazelnut (t4) Olive (f9) Meat (fx93) Wheat (f4) Rice (f9) Soy bean (f14) Wasp venom (f3) Potato (f35) Peanut (f13) Hazelnut (t17) Almond (f20) Timothy grass (g6) Rye (g12) CCC (CCC) total IgE (lgE) Function control	 Barcode - Standard 5 (function control) - Standard 1 (negative control) - Standard 2 - Standard 3 - Standard 4 Bitter melon (f14) Hazelnut (t4) Olive (f9) Onion (f123) Ash, European (f25) Timothy grass (g6) Radish (r1) Bermuda grass (g2) Brown grass (g1) Common Ragweed (w1) Mugwort (w6) English plantain (w9) Pellitory (w21) Stinging nettle (w20) Cat dander (e1) Horse dander (e3) Dog dander (e5) Dermatophagoides pteronissimus (d1) Dermatophagoides farinae (d2) Cockroach (f6) Latex (k82) Cladosporium herbarum (m2) Egg mix (f11) Milk (f199) Common Ragweed (w1) Cat dander (e1) Horse dander (e3) Dog dander (e5) House dust mites (dx2) Cockroach (f6) Latex (k82) Cladosporium herbarum (m2) Alder (t216) Birch (t3) Hazelnut (t4) Oak (t7) Ash (k5) Bee venom (f1) Wasp venom (f3) Potato (f35) Peanut (f13) Hazelnut (t17) Almond (f20) Timothy grass (g6) Rye (g12) CCC (CCC) total IgE (lgE) Function control	

WHY MAKE THINGS COMPLICATED?

HELI^A[®]



HELIA® Fast Automated Immunoblot Analyzer

Autoimmunity • Infectious Serology • Food Intolerance • Allergy

Distributed by / Distribué par
Qualisys
Diagnostics, Inc.

 AESKU.GROUP
WE TAKE CARE OF YOUR HEALTH

522 Meloche • Dorval, QC H9P 2T2
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Toll Free/Sans frais: 1-877-825-4797
Web: www.qualisvscanada.com

HELIA® – HELMED LINE IMMUNOASSAY ANALYZER

HELIA® is an automated analyzer for line immunoassays. The **HELIA®** system is able to perform all immunoblot processing steps, and can read and report results using its integrated camera and image processing software. Based on the **HELMED®** platform, the **HELIA®** system unites proven lab automation with innovative immunoblot processing and reading technology. **HELIA®** was developed to simplify and automate immunoblot testing with a focus on standardization, minimal footprint and easy laboratory implementation. **HELIA®** will be delivered with a preinstalled and configured All-in-one PC – One single compact system monitor with integrated PC.

AESKU® is a company that develops, designs and produces the **HELIA®** system and all dedicated reagents, offering complete control of the entire product life cycle.

Walk away

Total immunoblot automation from primary sample tube to result interpretation. The **HELIA®** system offers a complete walkaway solution.

High resolution

Camera with a 5 megapixel resolution CMOS color sensor.

Proven Reliability

The **HELIA®** uses the **HELMED®** hardware-architecture, with more than 800 installed systems.

LIS Connection

Bidirectional connection with **AESKU.LAB** middleware and / or LIS.

Sample Barcode

Barcode Scanner for automatic sample detection and identification.

User friendly software

HELIA® Device Software offers a sleek interface with a comprehensive workflow management suite and intuitive customization.

Additional Features

- Minimal footprint
- No consumables
- Low sample dead volume (under 50 µl)

Faster

The multiplex technology yields up to 1600 results in 3.5 hours.

High Capacity

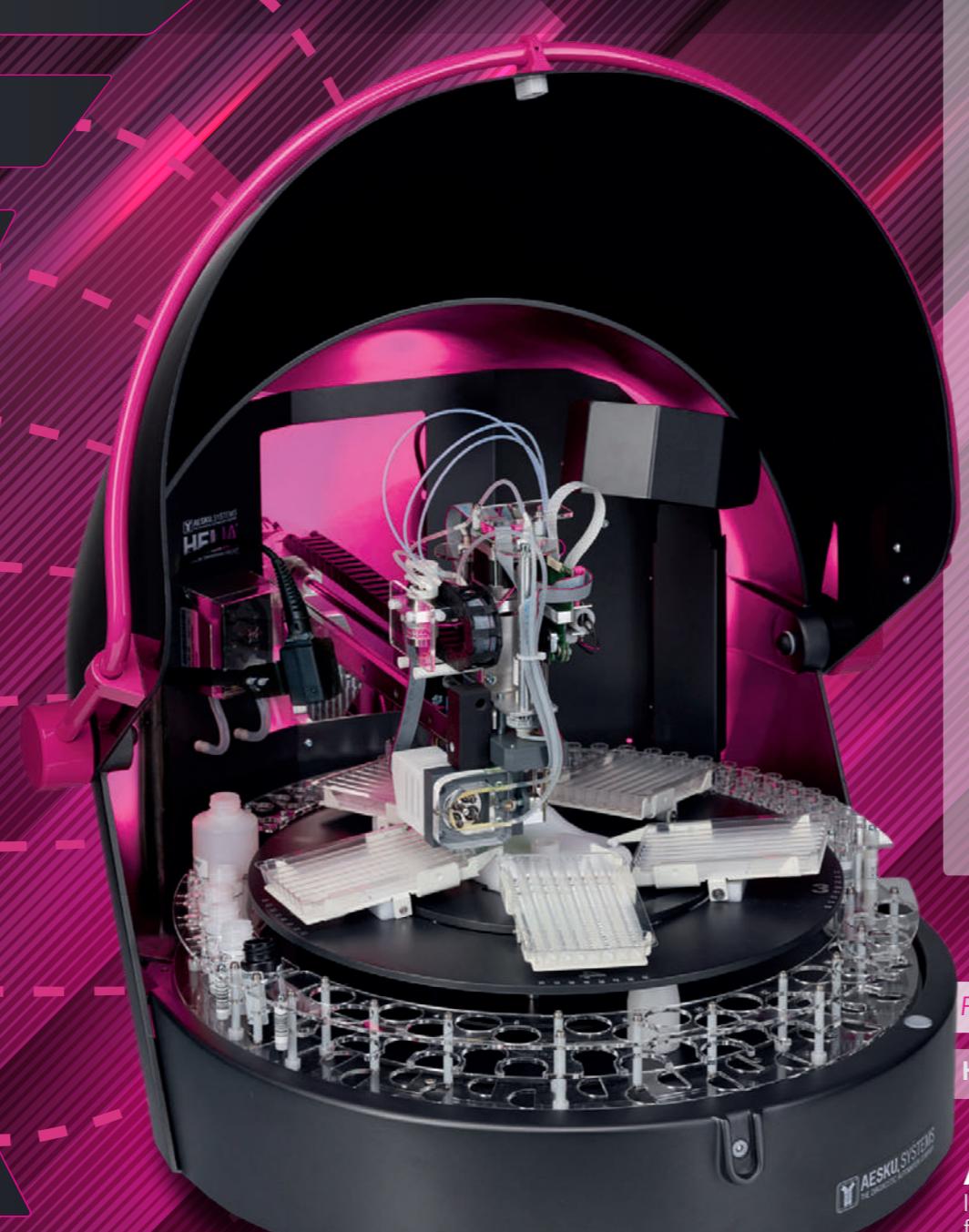
- Up to 9 different **AESKUBLOTS®** tests/lots per run
- 18 reagent positions plus 2 system liquids
- 5 trays each with 8 **AESKUBLOTS®** strips, up to 40 strips in total

Traceability

Complete tracking of entire immunoblot procedure.

Level Detection

All conjugates, substrates, samples and sample buffers are checked before pipetting and all errors are logged.



HELIA® TECHNICAL SPECIFICATIONS

Work mode	Batch
Automates	Blot processing and image capturing
LIS connectivity	Yes
Barcode recognition of Camera	Sample
Number of Samples	5 mp
Sample volume	40
Test panels	1-300 µl
Sample probe	Up to 9 panels per run
Liquid system	Stainless steel
Liquid detection	2 syringes, 2 peristaltic pumps
Max. reagent volume	Yes, conductivity
System liquid bottle(s)	2 ml
Waste bottle	2
Reagent positions	2 L
Blot processing software	18
Imaging	Open
Number of tests	Closed, only available for AESKUBLOTS
Image capture	7 autoimmune, 2 serology, 7 allergy, 7 food intolerance
Dimensions	3 seconds per tray, using wet strips
Weight	640 x 700 x 560 mm
Power consumption	32 kg
PC	75 W
	External PC included

PRODUCT ORDERING REFERENCES

HELIA® AUTOMATED BLOT SYSTEM **REF. LIA-1000**

Description

BLOT Processor with All-in-one PC included

AESQC®

Improve your analytical performance with **AESQC** multiparametric autoimmune controls now validated as quality controls for **AESKUBLOTS®**.

AESQC® Pool 1

REF AESQCP1

- SS-A 60 kDa
- SS-A 52 kDa
- SS-B
- Jo-1
- AMA

Presentation: 2x 500µl

AESQC® Pool 4

REF AESQCP4

- TPO
- TG
- MPO
- Glia IgA and IgG
- PR3
- GBM

Presentation: 2x 500µl

AESQC® Pool 6

REF AESQCP6

- BORRELIA IgG-Vlse
- Borrelia IgM-OspC

Presentation: 2x 500µl

AESQC® Pool 7

REF AESQCP7

- Borrelia IgM-OspC

Presentation: 2x 500µl