



EVIDENCE INVESTIGATOR

An Evidence Series Analyser

RANDOX

CONTENTS

Radox

Dedicated To Improving Health Worldwide • p.04

01 Biochip Array Technology

Introduction • p.05

Benefits • p.06

02 Evidence Investigator

Adaptable, Efficient & Comprehensive • p.08

Key Benefits • p.12

03 Technical Information

Evidence Investigator Package • p.14

Immunoassay Testing Process • p.15

Software • p.16

Specifications • p.18

04 Molecular

Molecular Testing • p.20

Molecular Testing Process • p.21

05 Test Menu

Immunoassay, Toxicology, Molecular, Food Diagnostics • p.22

06 Supporting You

Customer Support Network • p.28

Why Buy Evidence Investigator? • p.30

DEDICATED TO IMPROVING HEALTH WORLDWIDE

In 2002, Randox invented a world first; Biochip Array Technology, instantly changing the landscape of testing forever. Biochip Array Technology is a multi-analyte platform which provides an unrivalled increase in information per sample. Instead of a sample needing to be subdivided for each test result, or in some cases re-collected, Biochip Array Technology offers a complete profile with each sample. So now the user's requirements become the focus as Biochip Array Technology delivers the results profile needed for improved diagnosis.

With over £250 million invested into Biochip Array Technology research and development, Randox have launched a range of Biochip Array Technology immunoanalysers – The Evidence Series. This includes the Evidence, the Evidence Evolution, the Evidence Investigator and the Evidence MultiSTAT. Each analyser is developed with boundary pushing engineering, designed to make financial, labour and time savings for the end user.

THE EVIDENCE SERIES



Evolution



Evidence



Investigator



MultiSTAT

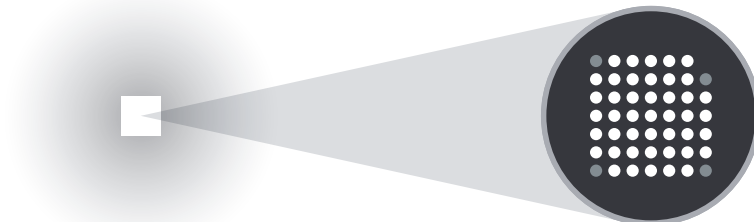
BIOCHIP ARRAY TECHNOLOGY



Biochip Array Technology is a precision multiplex testing platform allowing for the simultaneous quantitative or qualitative detection of a wide range of analytes from a single sample.

Biochip Array Technology offers unique immunoassay-based diagnostic testing for simultaneous multi-analyte biomarker detection. After the addition of a sample to the biochip, analytes present in the sample bind to the specific biochip bound ligands. The degree of binding is determined using a chemiluminescent light source and quantified using a Charge Coupled Device (CCD) camera and imaging system.

Each biochip can have up to 49 Discrete Test Regions (DTR). This means that up to 44 tests can be carried out simultaneously. The additional DTRs are reserved for internal quality control and visual reference, a unique Biochip Array Technology feature.



APPLICATIONS

- Clinical Diagnostics
- Drug Development
- Molecular Diagnostics
- Toxicology
- Food Diagnostics; for the presence of veterinary drug residues and mycotoxins
- Academic Research
- Veterinary Testing

MULTIPLEX TECHNOLOGY



Precise Testing

- Biochip Array Technology has a proven high standard of precise test results
- Multiplex analysis minimises analytical variation between tests



Optimum Efficiency

- Dedicated multi-analyte reagents and quality control material are manufactured by Randox providing reliable and controlled testing
- This ensures Biochip Array Technology is a truly effective end-to-end solution



True Cost Reduction

- Multiplex testing reduces the amount of time and labour spent on individual tests as well as associated laboratory costs
- Through running tests simultaneously, multiplex testing represents greater value for money as fewer samples and consumables are able to deliver more in-depth analysis



Superior Patient Profiling

- Testing for multiple markers simultaneously increases the amount of information rapidly available to the clinician, allowing for more informed diagnosis

FLEXIBILITY



Small Sample Volume

- A smaller sample volume required due to multiplexing
- Increased profiling saves precious sample if further reflex analysis is required



Wide and Varied Test Menu

- Randox's vast Biochip Array Technology test menu allows users to detect routine and novel markers for advanced diagnostic and research analysis
- Randox has the world's most innovative test development program. With 400 assays in development, Biochip Array Technology ensures you are able to effortlessly add to your testing program



Adaptability

- Multiple sample types can be used on one analyser including serum, plasma, cerebrospinal fluid, whole blood, urine, oral fluid and food diagnostics for veterinary drug residues
- Allows the user to easily extend testing as new tests can be added without additional equipment

SUPERIOR REPORTING



Retrospective Reporting

- Retrieve previously unreported results without additional testing, saving time and the need to collect more sample

ADAPTABLE, EFFICIENT & COMPREHENSIVE

The Evidence Investigator is a compact, semi-automated benchtop analyser that offers efficient and comprehensive testing across a range of applications including clinical diagnostics, molecular, research, toxicology and food diagnostics.

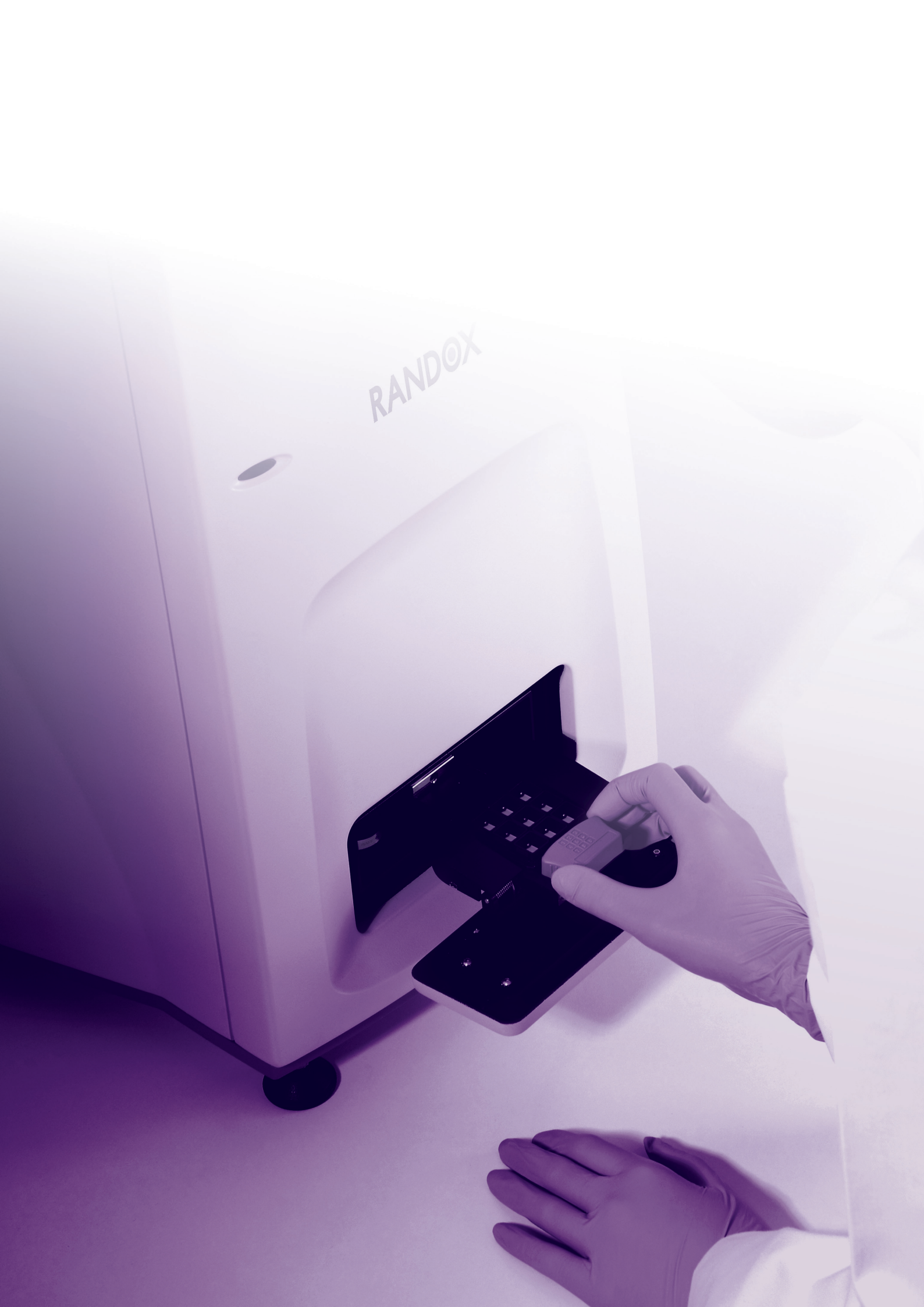
Renowned for its versatility, robustness and effective reporting methods, the Evidence Investigator has been used in a wide range of laboratory settings for over 15 years. This highly advanced yet simple to use analyser has only one moving part, giving the user peace of mind. The Evidence Investigator contains a host of innovative on-board data analysis features ensuring manual processes are kept to a minimum.

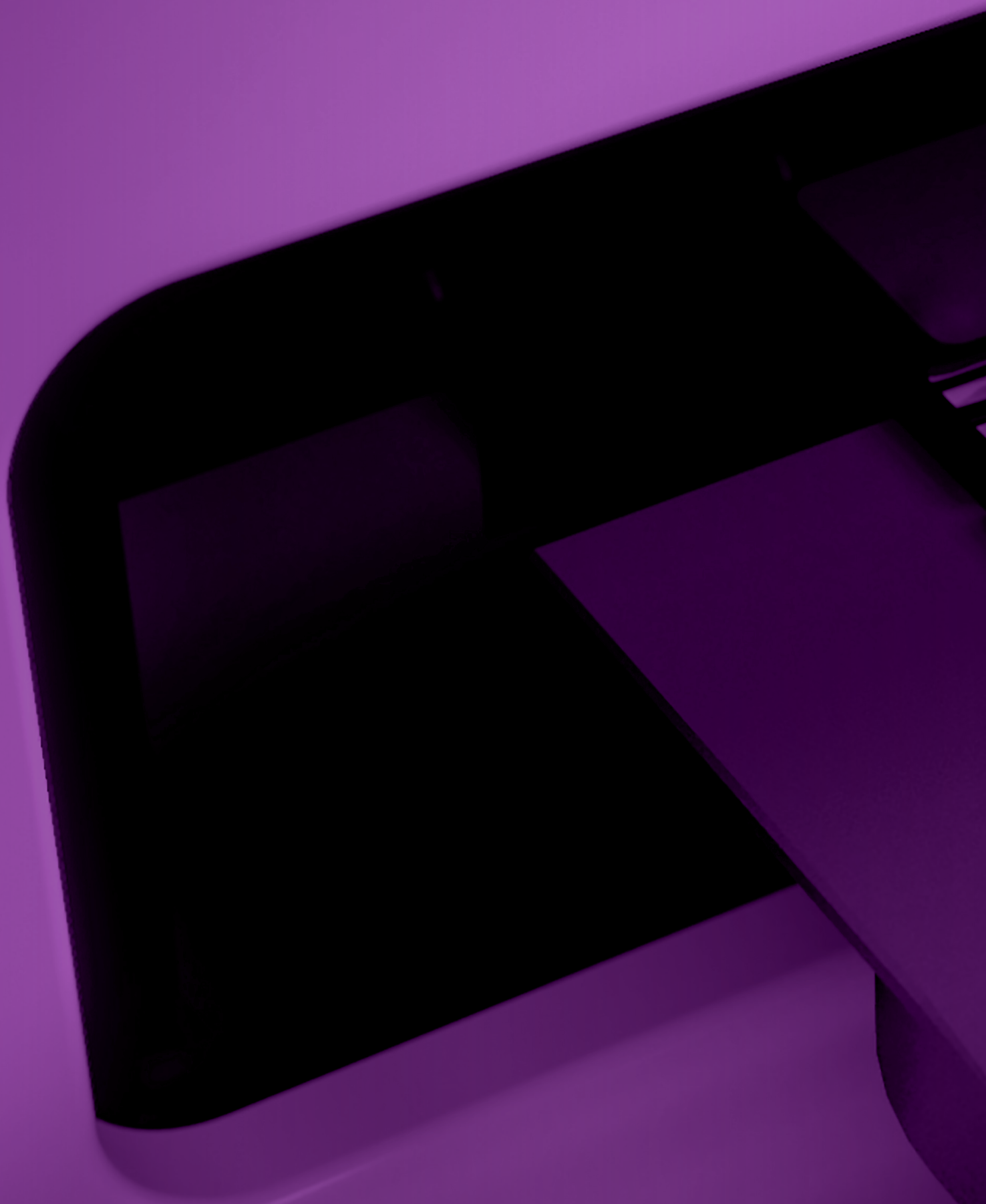
Offering efficiency without compromising on accuracy, the Evidence Investigator is the perfect fit for medium throughput laboratories seeking maximum use of benchspace.



| | |
|------------|-----------------------------|
| Dimensions | 75 (H) x 48 (D) x 42 (W) cm |
| Weight | 24 kg, 52.9 lbs |
| Throughput | Up to 2376 tests per hour |

RANOX





KEY BENEFITS



ACCURATE AND ROBUST



Results are generated using a Charge Coupled Device (CCD) camera, which quantifies chemiluminescent light. This light measures the degree of binding between the sample and specific biochip bound ligands.

The Evidence Investigator is extremely well equipped to provide reliable results, while simultaneously robust enough to withstand frequent, heavy use.



UNIQUE CONSOLIDATION



The Evidence Investigator is the world's first platform allowing consolidation of immunoassay and molecular diagnostics. This is achieved through utilising protein and DNA based biochips. By giving the user the ability to consolidate tests, the Evidence Investigator improves laboratory efficiency and reduces costs.



ADVANCED ANALYSIS AND REPORTING METHODS



The Evidence Investigator image processing software translates light signal generated from chemiluminescent reactions into analyte concentration. This removes the need for any manual processing of data.

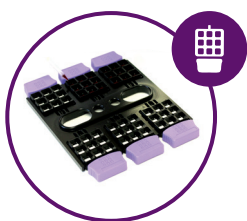
The Evidence Investigator also has the ability to retrieve previously unreported tests so they can be tested retrospectively. This saves time, labour costs and reduces any reagents wastage. All data is then analysed on-board, removing issues related to human error and result manipulation.



EVIDENCE INVESTIGATOR PACKAGE



The Evidence Investigator comes supplied as part of a package, with all essential components provided. These components are approved for use with the Evidence Investigator and make it easier for the user to conduct testing.



Biochip carrier handling tray



Thermoshaker



PCR (Molecular Only)

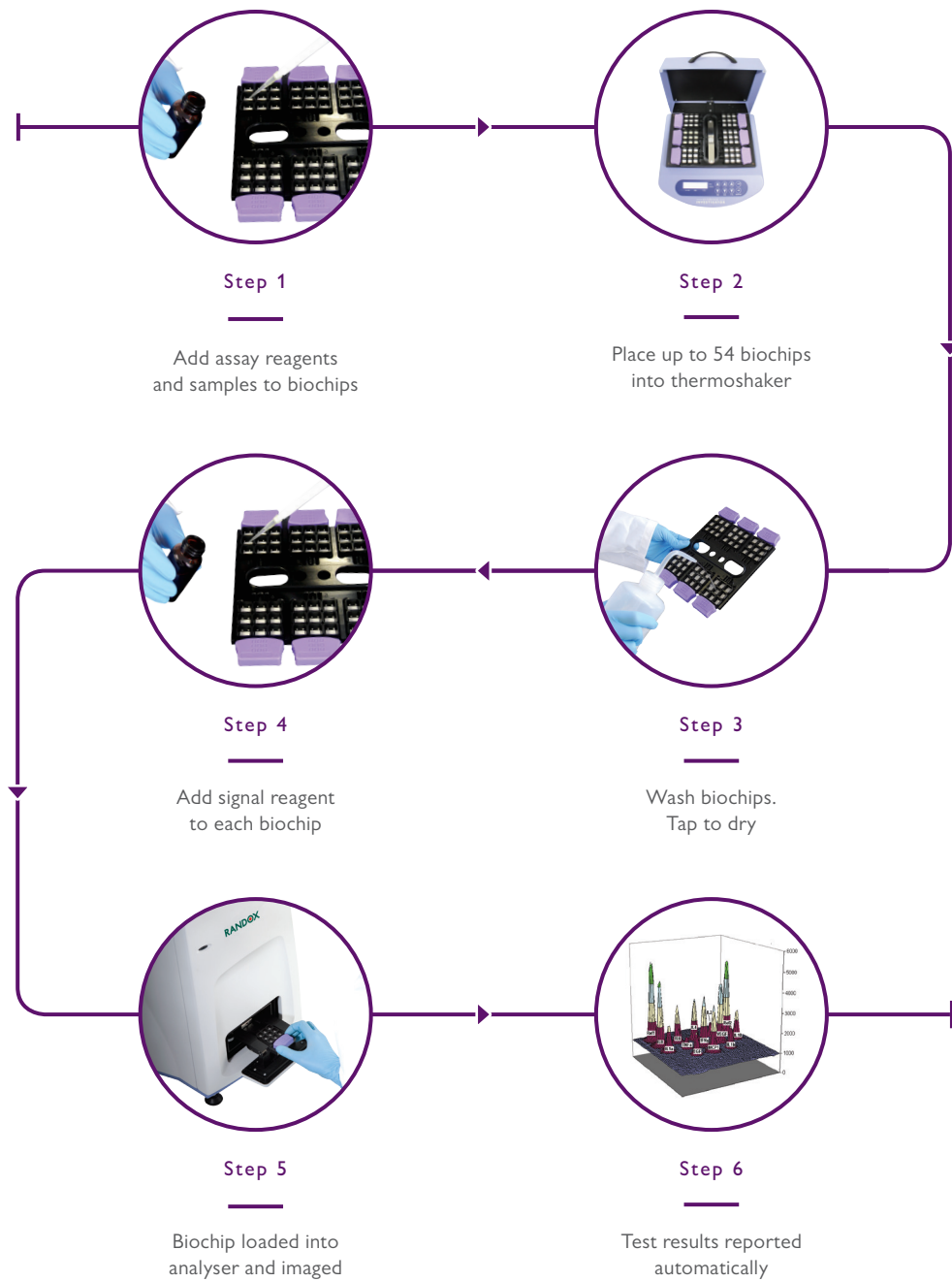


PC & imaging software



Barcode scanner

IMMUNOASSAY TESTING PROCESS




SOFTWARE

Current User: gillian Time: 12:06:05 PM

Sample Entry Report History Calibration QC Archiving Error Log Store Work Retrieve Work LIMS

Evidence Investigator



Investigator EI-12345
 Randox Laboratories Ltd.
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 Crawley
 County Aahm
 BT29 4DY
 United Kingdom

Tel: +44 (0) 28 9442 2313
 Fax: +44 (0) 28 9445 2912

www.randox.com
 Software Version: 2.0.0

Worklist Array

Awaiting Loading

| | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |

Worklist Summary
 Carrier Array No. Samples

Camera Status
 Cooling 0
 Temperature outside tolerance for imaging.

Investigator Cycle Status
 Awaiting Work

Accept Samples Open Panel

Current User: gillian Time: 12:12:20 PM

Sample Entry Report History Calibration QC Archiving Error Log Store Work Retrieve Work LIMS

Calibration History

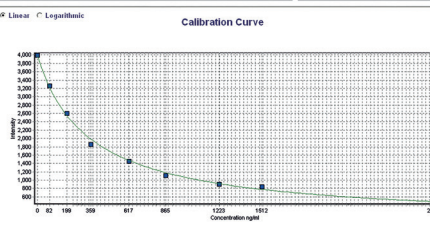
Array Calibration Details
 Array: Drugs of Abuse Calibration Date: 07/06/2014 Calibration Time: 07:49:56
 Calibration ID: 237 Calibration Batch: 6054 Calibrator Empty: 12/01/2015
 Calibration Status: Pass

Analyte Results

| Analyte | Conc | Expected | Actual |
|---------|------|----------|--------|
| Well 1 | 0 | 0 | 0 |
| Well 2 | 82 | 77 | 105 |
| Well 3 | 109 | 105 | 142 |
| Well 4 | 359 | 412 | 412 |
| Well 5 | 617 | 625 | 625 |
| Well 6 | 865 | 842 | 842 |
| Well 7 | 1223 | 1238 | 1238 |
| Well 8 | 1512 | 1365 | 1365 |
| Well 9 | 2685 | 2427 | 2427 |

Analyte Calibration Details
 Analyte: METHAMPHETAMINE Target Curve FR (x): 0.95 Curve FR (y): 1.00

Calibration Curve



Worklist Array

Awaiting Loading

| | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |

Worklist Summary
 Carrier Array No. Samples

Camera Status
 No Work (Waiting)

Investigator Cycle Status
 Awaiting Work

Accept Samples Open Panel

Current User: gillian Time: 11:52:15 AM

Sample Entry Report History Calibration QC Archiving Error Log Store Work Retrieve Work LIMS

Sample Entry

Sample Carrier Data Entry
 Carriers for worklist complete.

Carrier Details

| Well | Carrier |
|--------|---------|
| Well 1 | |
| Well 2 | |
| Well 3 | |
| Well 4 | |
| Well 5 | |
| Well 6 | |
| Well 7 | |
| Well 8 | |
| Well 9 | |

Array Selection

- Adhesion Molecules Array
- Anti-Microbial Array I
- Anti-Microbial Array II
- Cardiac
- Cerebral Array I
- Cerebral Array II
- Cytokine Array
- Cytokine Array M
- Cytokine Array V
- Cytokine High Sensitivity Array
- Drugs of Abuse
- Drugs of Abuse I (Oral Fluid)
- Drugs of Abuse I (Urine) SQ
- Drugs of Abuse I (MS) SQ

Worklist: 'SW Test 01'

| Carrier | Array | Well | Sample Code | Type | Factor |
|---------|----------------|------|-----------------|------------|--------|
| 1 | Drugs of Abuse | 1 | ADA8923391512.. | Calibrator | 1 |
| 1 | Drugs of Abuse | 2 | ADA8923391512.. | Calibrator | 1 |
| 1 | Drugs of Abuse | 3 | ADA8923391512.. | Calibrator | 1 |
| 1 | Drugs of Abuse | 4 | ADA8923391512.. | Calibrator | 1 |
| 1 | Drugs of Abuse | 5 | ADA8923391512.. | Calibrator | 1 |
| 1 | Drugs of Abuse | 6 | ADA8923391512.. | Calibrator | 1 |
| 1 | Drugs of Abuse | 7 | ADA8923391512.. | Calibrator | 1 |
| 1 | Drugs of Abuse | 8 | ADA8923391512.. | Calibrator | 1 |
| 1 | Drugs of Abuse | 9 | ADA8923391512.. | Calibrator | 1 |
| 2 | Drugs of Abuse | 1 | Sample 1 | Sample | 1 |
| 2 | Drugs of Abuse | 2 | Sample 1 | Sample | 1 |
| 2 | Drugs of Abuse | 3 | Sample 1 | Sample | 1 |
| 2 | Drugs of Abuse | 4 | Sample 1 | Sample | 1 |
| 2 | Drugs of Abuse | 5 | Sample 1 | Sample | 1 |
| 2 | Drugs of Abuse | 6 | Sample 1 | Sample | 1 |
| 2 | Drugs of Abuse | 7 | Sample 1 | Sample | 1 |
| 2 | Drugs of Abuse | 8 | Sample 1 | Sample | 1 |
| 2 | Drugs of Abuse | 9 | Sample 1 | Sample | 1 |

Worklist Array

Loaded 6 of 6

| | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |

Worklist Summary
 Carrier Array No. Samples

Camera Status
 No Work (Waiting)

Investigator Cycle Status
 Awaiting new work

Accept Samples Open Panel

Current User: gillian Time: 12:25:27 PM

Sample Entry Report History Calibration QC Archiving Error Log Store Work Retrieve Work LIMS

Result History

General search by Array, Date, Operator and Batch

Array: Drugs of Abuse Date: 07/07/2014 Operator: gillian Batch Id: 6054

Selected Samples

| Sample | Time | Unit | LIMS |
|--------|----------|------|------|
| 1 | 13:41:39 | 237 | 69 |
| 2 | 13:41:39 | 237 | 69 |
| 3 | 13:41:39 | 237 | 69 |
| 4 | 13:41:39 | 237 | 69 |
| 5 | 13:41:39 | 237 | 69 |
| 6 | 13:41:39 | 237 | 69 |
| 7 | 13:41:39 | 237 | 69 |
| 8 | 13:41:39 | 237 | 69 |
| 9 | 13:41:39 | 237 | 69 |
| 1 | 13:41:41 | 237 | 69 |
| 2 | 13:41:41 | 237 | 69 |
| 3 | 13:41:41 | 237 | 69 |
| 4 | 13:41:41 | 237 | 69 |
| 5 | 13:41:41 | 237 | 69 |
| 6 | 13:41:41 | 237 | 69 |
| 7 | 13:41:41 | 237 | 69 |
| 8 | 13:41:41 | 237 | 69 |
| 9 | 13:41:41 | 237 | 69 |
| 1 | 13:41:43 | 237 | 69 |
| 2 | 13:41:43 | 237 | 69 |
| 3 | 13:41:43 | 237 | 69 |
| 4 | 13:41:43 | 237 | 69 |
| 5 | 13:41:43 | 237 | 69 |
| 6 | 13:41:43 | 237 | 69 |
| 7 | 13:41:43 | 237 | 69 |
| 8 | 13:41:43 | 237 | 69 |
| 9 | 13:41:43 | 237 | 69 |

Selected Samples Results View

| Sample Code | Analyte | Units | Result | Error | Operator |
|-------------|-----------------|-------|-----------|-------|----------|
| 1 | METHAMPHETAMINE | ng/ml | Negative | 0 | 1 |
| 2 | BARIORALATE | ng/ml | Negative | 0 | 1 |
| 3 | BENZODIAZEPINES | ng/ml | Negative | 0 | 1 |
| 4 | BENZODIAZEPINES | ng/ml | (+) < 400 | 400 | 1 |
| 5 | METABOLITE | ng/ml | Negative | 0 | 1 |
| 6 | OPiate | ng/ml | Negative | 0 | 1 |
| 7 | EDC | ng/ml | Negative | 0 | 1 |
| 8 | CREATININE | mg/dL | Negative | 0 | 1 |
| 9 | AMPHETAMINE | ng/ml | Negative | 0 | 1 |

Worklist Array

Awaiting Loading

| | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |

Worklist Summary
 Carrier Array No. Samples

Camera Status
 No Work (Waiting)

Investigator Cycle Status
 Awaiting Work

Accept Samples Open Panel

On-board data analysis

- No manipulation of results required
- Reduces the risk of operator error
- Rapid results improves workflow

Simplicity

- Minimal training required
- Highly intuitive operating system
- Colour-coded sample addition

Flexibility

- Multi-format option for results review
e.g. by array, by users, by date or sample code
- Fully printable reports

Retrospective testing

- Retrieve previously unreported tests
- Reduces reagent wastage
- Saves time and labour costs

Storage facilities

- Store up to 20,000 sample results
- Store up to 500,000 sample test results

Highly secure

- Password protected for various user levels
- Full traceability of data

Extensive QC capabilities

- Internal QC software included with Levey-Jennings charts multi-point QC rules and auto flagging of outliers

Connectivity

- LIMS integrated for convenient reporting

Service

- Easy troubleshooting process
- Regular system checks to continually assure the operator of optimum system performance

SPECIFICATIONS

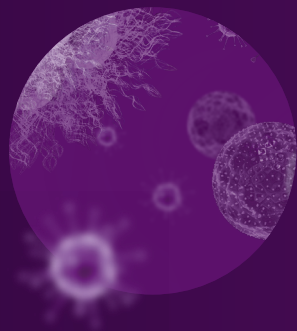
| | |
|---------------------------|--|
| Accreditation | Internally accredited to full CE and UL certification |
| Analyser description | Semi-automated Biochip Array Analyser |
| Biochip capacity | 9 biochips on Evidence Investigator, 54 biochips on Thermoshaker |
| Calibration method | 9 point calibration |
| Connectivity | LIMS integration |
| <hr/> | |
| Data back-up methods | Via writable DVD, CD, USB Mass-storage or Network folder |
| Environment | Operating temperature 16 to 25°C Relative Humidity < 80% Altitude < 2000m Pollution degree 2 (IEC 664) |
| Fuses | Mains Inlet Fuse (F1) T 2 A H 250V (20mm x 5mm) Motor Control Board (F1) T 1 A L 250V (20mm x 5mm) |
| Incubation time | Array-specific, 30–90 minutes |
| Installation requirements | Evidence Investigator must be connected to a single-phase power supply |
| Measurement principal | Chemiluminescent |
| Network services | Highly Secure Remote Diagnostics, automated software and array updates |
| Peripherals | Printer, barcode scanner, carrier handling tray, thermoshaker and thermocycler (molecular only) |
| Quality control | Levey-Jennings, user definable multipoint rules |
| Reagent volume | Array specific, details supplied in kits |

“ EQUIPPED TO PROVIDE RELIABLE RESULTS AND ROBUST ENOUGH TO WITHSTAND FREQUENT, HEAVY USE ”

| | |
|---------------------------|--|
| Sample loading | Single carrier loading bay |
| Sample throughput | Array specific |
| Sample type | Array specific including serum, plasma, whole blood, urine, tissue, feed, honey, milk, egg, cell culture supernatant, cerebrospinal fluid, oral fluid, bronchoalveolar lavage fluid, forensic matrices |
| Sample volume | Array specific; 25–150µl |
| Start up / shut down time | On command |
| Time to first result | Array specific |
| Input voltage | Supply Voltage 100–120Vac, 60Hz, 22VA 200–240Vac, 50Hz, 30VA Installation category II Camera Power Supply 100–240Vac, 47–63Hz, 1.35A |
| UPS | Recommended |
| Water quality | CLSI Type II or better |

MOLECULAR TESTING

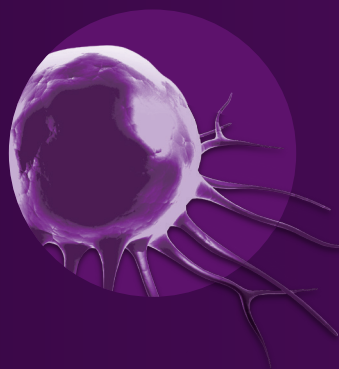
Our molecular product range offers diagnostic, prognostic and predictive solutions across a variety of disease areas including sexually transmitted infection (STI), respiratory tract infection, colorectal cancer, familial hypercholesterolemia (FH) and cardiovascular disease (CVD). Additionally, we can provide a wide range of assay formats including single nucleotide polymorphisms (SNP) genotyping, pathogen detection and mutation detection.



Pathogen Detection

STI and Respiratory Multiplex Arrays

Both arrays detect the most common and frequently requested infections in sexual and respiratory health. These comprehensive, highly sensitive and specific tests enable identification of co-infections simultaneously, often in asymptomatic patients and enable antibiotic stewardship.



Mutation Detection

KRAS, BRAF, PIK3CA Array and Familial Hypercholesterolemia Arrays I & II

These unique biochip assays permit high discrimination between multiple targets in a number of genes with a rapid turnaround time (3 hours). The arrays enable detection of the most frequently occurring mutations known to cause disease (FH) and adversely affect patient treatment (KRAS, BRAF, PIK3CA). A unique primer set is designed for each target which will hybridise to a complementary oligo-nucleotide probe spotted on a biochip discrete test region (DTR).

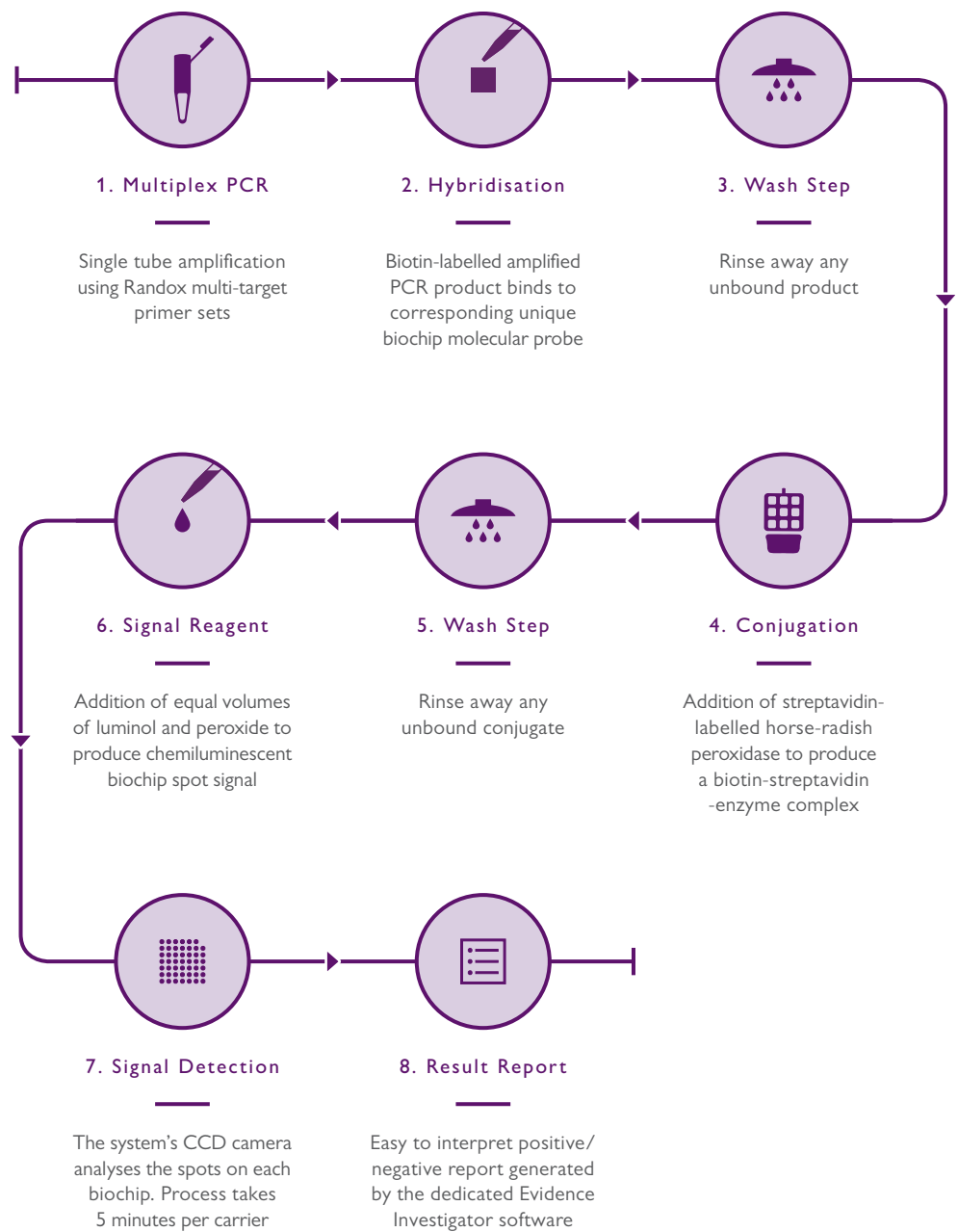


SNP Genotyping

Cardiovascular Risk Prediction Array

This array identifies individuals with a genetic predisposition to coronary heart disease (CHD). The innovative multiplex primers are designed to discriminate DNA sequences which differ only at one base.

MOLECULAR TESTING PROCESS



IMMUNOASSAY TEST MENU

Adhesion Molecules

E-Selectin
Intercellular Adhesion Molecule-I – ICAM-I
L-Selectin
P-Selectin
Vascular Cell Adhesion Molecule-I – VCAM-I

Alzheimer's

Apolipoprotein E4 – ApoE4
Pan Apolipoprotein E – Apo E

Anaemia

Ferritin
Folate
Vitamin B12

Bone Disease

Vitamin D

Cancer

Carcinoembryonic Antigen – CEA
Free Prostate Specific Antigen – FPSA
Total Prostate Specific Antigen – TPSA

Cardiac

Cardiac Troponin I – cTnI
Creatine Kinase MB – CKMB
Heart-Type Fatty Acid-Binding Protein – FABP3
Myoglobin

Cytokines

Epidermal Growth Factor – EGF
Granulocyte Macrophage Colony Stimulating Factor – GM-CSF
Interferon- γ – IFN- γ
Interleukin-1 alpha – IL-1 α
Interleukin-1 beta – IL-1 β
Interleukin-2 – IL-2
Interleukin-3 – IL-3

Cytokines Continued

Interleukin-4 – IL-4
Interleukin-5 – IL 5
Interleukin-6 – IL-6
Interleukin-7 – IL-7
Interleukin-8 – IL-8
Interleukin-10 – IL-10
Interleukin-12p70 – IL-12p70
Interleukin-13 – IL-13
Interleukin-15 – IL 15
Interleukin-23 – IL-23
Macrophage Inflammatory Protein-1 α – MIP-1 α
Matrix Metalloproteinase 9 – MMP 9
Monocyte Chemotactic Protein-1 – MCP-1
Soluble IL-2 Receptor Alpha – sIL-2R α
Soluble IL-6 Receptor – sIL-6R
Soluble Tumour Necrosis Factor Receptor 1 – sTNFR1
Soluble Tumour Necrosis Factor Receptor 2 – sTNFR2
Tumour Necrosis Factor- α – TNF- α
Vascular Endothelial Growth Factor – VEGF

Diabetes

Insulin

Endocrine

Cortisol
Dehydroepiandrosterone-Sulphate – DHEAS

Fibrinolysis

D-Dimer

Fertility

Estradiol
Follicle Stimulating Hormone – FSH
Luteinizing Hormone – LH
Progesterone
Prolactin
Sex Hormone Binding Globulin – SHBG
Testosterone

Gastrointestinal

Gastrin 17 – G17
Helicobacter pylori – H. pylori
Pepsinogen I – PGI
Pepsinogen II – PGII

Metabolic

Adiponectin
Ferritin
Insulin
Leptin
Plasminogen Activator Inhibitor – PAI-I
Resistin

Renal

Adiponectin
Complement C3a des Arginine – C3a des Arg
C-Reactive Protein – CRP
Cystatin C
D-Dimer
Epidermal Growth Factor – EGF
Liver Fatty Acid Binding Protein-I – FABP1
Interleukin-8 – IL-8
Macrophage Inflammatory Protein-1 α – MIP-1 α
Neutrophil Gelatinase – Associated Lipocalin – NGAL
Soluble Tumour Necrosis Factor Receptor 1 – sTNFR1
Soluble Tumour Necrosis Factor Receptor 2 – sTNFR2

Stroke

Brain-Derived Neurotrophic Factor – BDNF
D-Dimer
Glial Fibrillary Acidic Protein – GFAP
Glutathione S – Transferase Pi – GSTPi
Heart-Type Fatty Acid-Binding Protein – FABP3
Interleukin-6 – IL-6
Nucleoside Diphosphate Kinase – NDKA
Neuron Specific Enolase – NSE
Parkinson Protein 7 – PARK-7
Soluble Tumour Necrosis Factor Receptor 1 – sTNFR1

Thyroid

Anti-Thyroglobulin – Anti-Tg
Anti-Thyroid Peroxidase – Anti-TPO
Free Tri-iodothyronine – FT3
Free Thyroxine – FT4
Thyroid Stimulating Hormone – TSH
Thyroxine Binding Globulin – TBG
Total Tri-iodothyronine – TT3
Total Thyroxine – TT4

Tissue Damage

Liver Fatty Acid Binding Protein-I – FABP1
Heart-Type Fatty Acid-Binding Protein – FABP3
Adipose Fatty Acid Binding Protein – FABP4
Epidermal Fatty Acid Binding Protein – FABP5
Ileal Fatty Acid Binding Protein – FABP6
Brain Fatty Acid Binding Protein – FABP7
Testis Fatty Acid Binding Protein – FABP9

TOXICOLOGY TEST MENU

Analgesics

Acetaminophen
Buprenorphine
Dextromethorphan
Fentanyl
Generic opioids
Ibuprofen
Meperidine
Methadone
Opiates
Oxycodone
Oxycodone I
Oxycodone II
Phencyclidine (PCP)
Pregabalin
Propoxyphene
Salicylate
Tramadol

Antidepressants

Escitalopram
Fluoxetine
Haloperidol
Methylphenidate / Ritalinic acid
Sertraline
Trazodone
Tricyclic Antidepressant

New Psychoactive Substances

AB-PINACA
AB-CHMINACA
Acetyl Fentanyl
AH-7921
Alpha-PVP
Carfentanil
Furanyl Fentanyl
JWH-018
Mephedrone
Mescaline
Mitragynine
MT-45

New Psychoactive Substances Continued

Naloxone
Ocfentanyl
Phenylpiperazine I
Phenylpiperazine II
Salvinorin
Sufentanil
U-47700
UR-144
W-19

Stimulants

6-MAM
Amphetamine
Benzoylcegonine (Cocaine Metabolite)
Benzylpiperazine
Cannabinoids (THC)
LSD
MDMA
Methamphetamine

Sedative Hypnotics

Barbiturates
Benzodiazepines I
Benzodiazepines II
Chloral Hydrate Metabolite
Clonazepam
Etizolam
Flunitrazepam
Ketamine
Meprobamate
Methaqualone
Zaleplon
Zolpidem
Zopiclone

Other

Creatinine
EtG
Gabapentin
Methotrexate

MOLECULAR TEST MENU

Cardiac Risk Prediction Array

20 SNPs

Familial Hypercholesterolemia (FH) Arrays

LDLR – 38 mutations

APOB – 1 mutation

PCSK9 – 1 mutation

KRAS, BRAF, PIK3CA Array

KRAS – 16 mutations

BRAF – 1 mutation

PIK3CA – 3 mutations

Respiratory Pathogens Array

Adenovirus A

Adenovirus B

Adenovirus C

Adenovirus D

Adenovirus E

Coronavirus 229E/NL63

Coronavirus OC43/HKU1

Enterovirus A

Enterovirus B

Enterovirus C

Human Bocavirus 1

Human Bocavirus 2

Human Bocavirus 3

Human Metapneumovirus – hMPV

Influenza A

Influenza B

Parainfluenza Virus 1

Parainfluenza Virus 2

Parainfluenza Virus 3

Parainfluenza Virus 4

Respiratory Syncytial Virus a – RSVa

Respiratory Syncytial Virus b – RSVb

Respiratory Pathogens Array Continued

Rhinovirus A

Rhinovirus B

Bordetella pertussis

Chlamydomphila pneumoniae

Mycoplasma pneumoniae

Legionella pneumophila

Moraxella catarrhalis

Streptococcus pneumoniae

Haemophilus influenzae

Sexually Transmitted Infection (STI) Array

Chlamydia trachomatis – (CT)

Haemophilus ducreyi – (HD)

Mycoplasma genitalium – (MG)

Mycoplasma hominis – (MH)

Neisseria gonorrhoea – (NG)

Treponema pallidum – (TP)

Trichomonas vaginalis – (TV)

Ureaplasma urealyticum – (UU)

Herpes simplex Virus 1 – (HSV-1)

Herpes simplex Virus 2 – (HSV-2)

FOOD DIAGNOSTICS TEST MENU

Antimicrobial Array I Ultra

Sulphadimethoxine
Sulphadiazine
Sulphadoxine
Sulphachlorpyridazine
Sulphamethoxyipyridazine
Sulphamerazine
Sulphisoxazole
Sulphathiazole
Sulphamethazine
Sulphaquinoxaline
Sulphapyridine
Sulphamethoxazole
Sulphamonomethoxine
Trimethoprim
Dapsone

Antimicrobial Array II Plus

Quinolones
Ceftiofur
Thiamphenicol
Streptomycin
Tylosin
Tetracyclines

Antimicrobial Array III

AOZ
AMAZ
AHD
SEM

Antimicrobial Array III (CAP Only)

Chloramphenicol

Antimicrobial Array IV

Spiramycin/Josamycin
Apramycin
Bacitracin
Neomycin/Paramomycin

Antimicrobial Array IV (Continued)

Tobramycin
Tylosin B/Tilmicosin
Spectinomycin
Amikacin/Kanamycin
Lincosamides
Erythromycin
Streptomycin/Dihydrostreptomycin
Virginiamycin

Antimicrobial Array V

Nitroimidazoles
Chloramphenicol

Anthelmintics Array

Benzimidazoles
Amino Benzimidazoles
Thiabendazole
Triclabendazole
Levamisole
Moxidectin
Avermectins

Avermectins Only Array

Avermectins

Beta Lactams Array Plus

Beta Lactam
Cephalexin
Cefuroxime

Coccidiostats Array

Clopidol
Decoquate
Diclazuril
Halofuginone
Imidocarb
Lasalocid
Maduramicin

Coccidiostats Array (Continued)

Monensin
Nicarbazin
Robenidine
Salinomycin
Toltrazuril

Growth Promoter

Beta-Agonists
Boldenone
Corticosteroids
Nandrolone
Ractopamine
Stanozolol
Stilbenes
Trenbolone
Zeranol

InfiniPlex for Milk

Quinolones
Beta-Lactams
Cephalexin
Erythromycin
Spiramycin
Tylosin
Lincomycin
Pirlimycin
Neomycin
Streptomycin
Gentamicin
Kanamycin
Spectinomycin
Amphenicols
Trimethoprim
Baquiloprim
Rifaximin
Apramycin
Virginiamycin
Tobramycin
Tetracyclines
Polymixins

InfiniPlex for Milk (Continued)

Bacitracin
Cefuroxime
5-hydroxy Flunixin
Meloxicam
Metamizole
Tolfenamic Acid
Phenylbutazone
Chlormadinone
Methylprednisolone
Sulphapyridine
Dapsone
Melamine
Nitroxynil
Aflatoxin M1
Sulphonamides
Novobiocin
Ractopamine
Dexamethasone
Hygromycin B
Sulfaguanidine
Sulphamethazine

Myco 10 Array

Aflatoxin B1
Aflatoxin G1
Deoxynivalenol
Diacetoxyscirpenol
Ergot Alkaloids
Fumonisin
Ochratoxin A
Paxilline
T2 Toxin
Zearalenone

Synthetic Steroids Array

Methyltestosterone
17 β -Clostebol
Gestagens
Ethinylestradiol

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