

RANDOX



EVIDENCE INVESTIGATOR

An Evidence Series Analyser

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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 has launched a range of Biochip Array Technology immunoanalysers – The Evidence Series. This includes the Evidence+, 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



Evidence+



Investigator



MultiSTAT

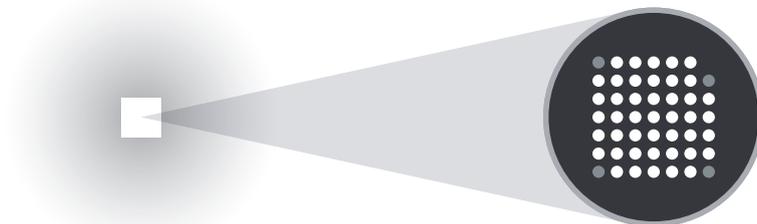
BIOCHIP ARRAY TECHNOLOGY



Biochip Array Technology is a precision multiplex testing platform that allows 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
- 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 materials 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 can 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 a more informed diagnosis

FLEXIBILITY



Small Sample Volume

- A smaller sample volume is 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 can effortlessly add to your testing program



Adaptability

- Multiple sample types can be used on one analyser including serum, plasma, cerebrospinal fluid, 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 bench space.



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

RANDOX



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 being 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 signals 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 displayed retrospectively. This saves time, labour costs and reduces any reagent 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 immediately.



Biochip carrier handling tray



Thermoshaker



PCR (Molecular Only)

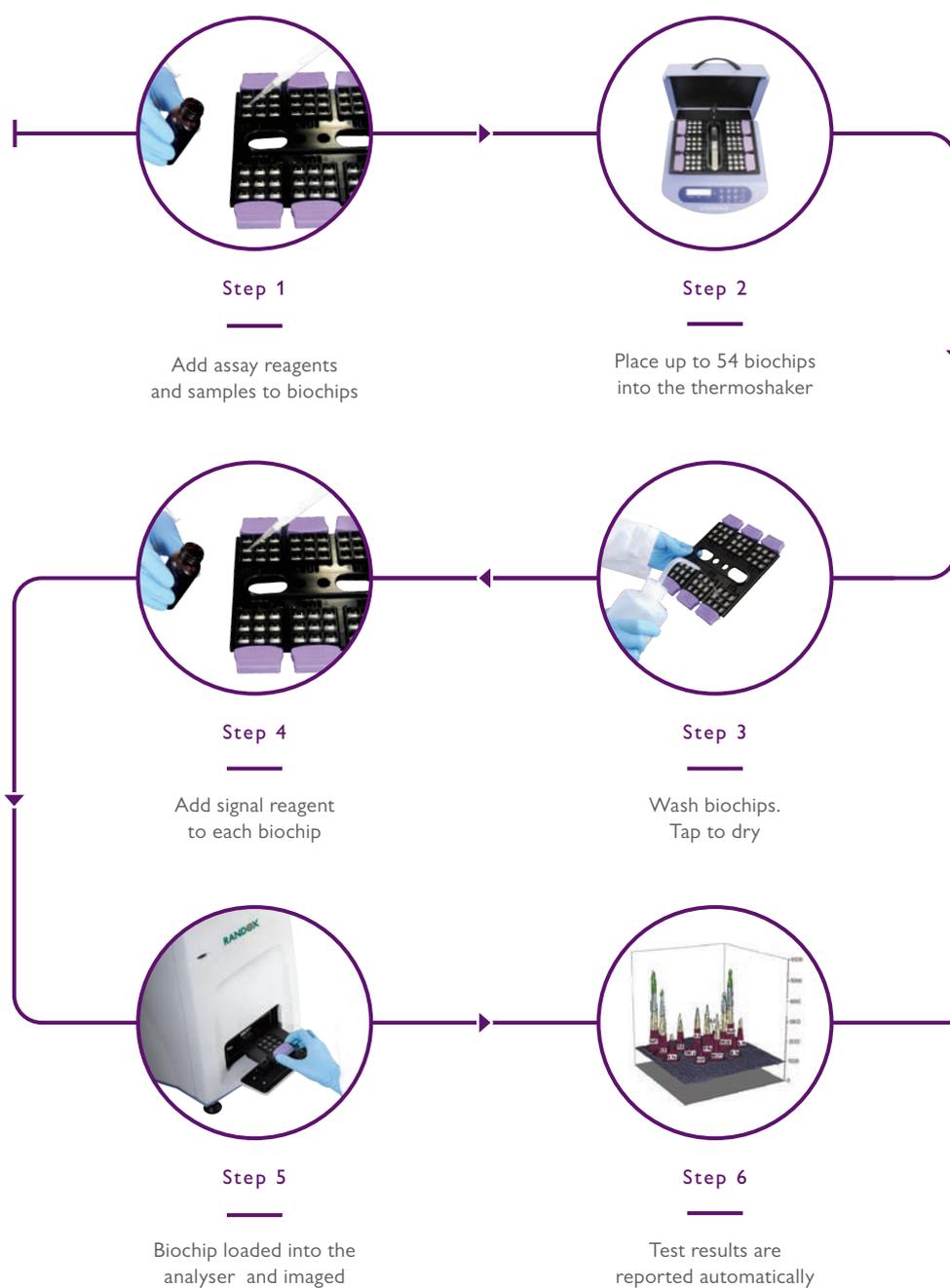


PC & imaging software



Barcode scanner

IMMUNOASSAY TESTING PROCESS



MOLECULAR TESTING

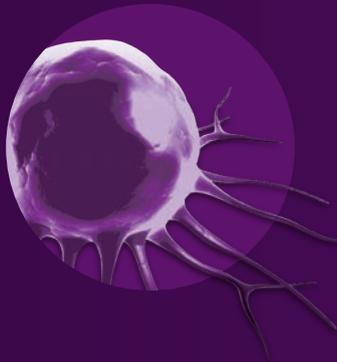
Our molecular product range offers diagnostic, prognostic and predictive solutions across a variety of disease areas including sexually transmitted infection (STI), respiratory tract infection, colorectal cancer, familial hypercholesterolemia (FH) and cardiovascular disease (CVD). Additionally, we can 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 the 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 the 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).

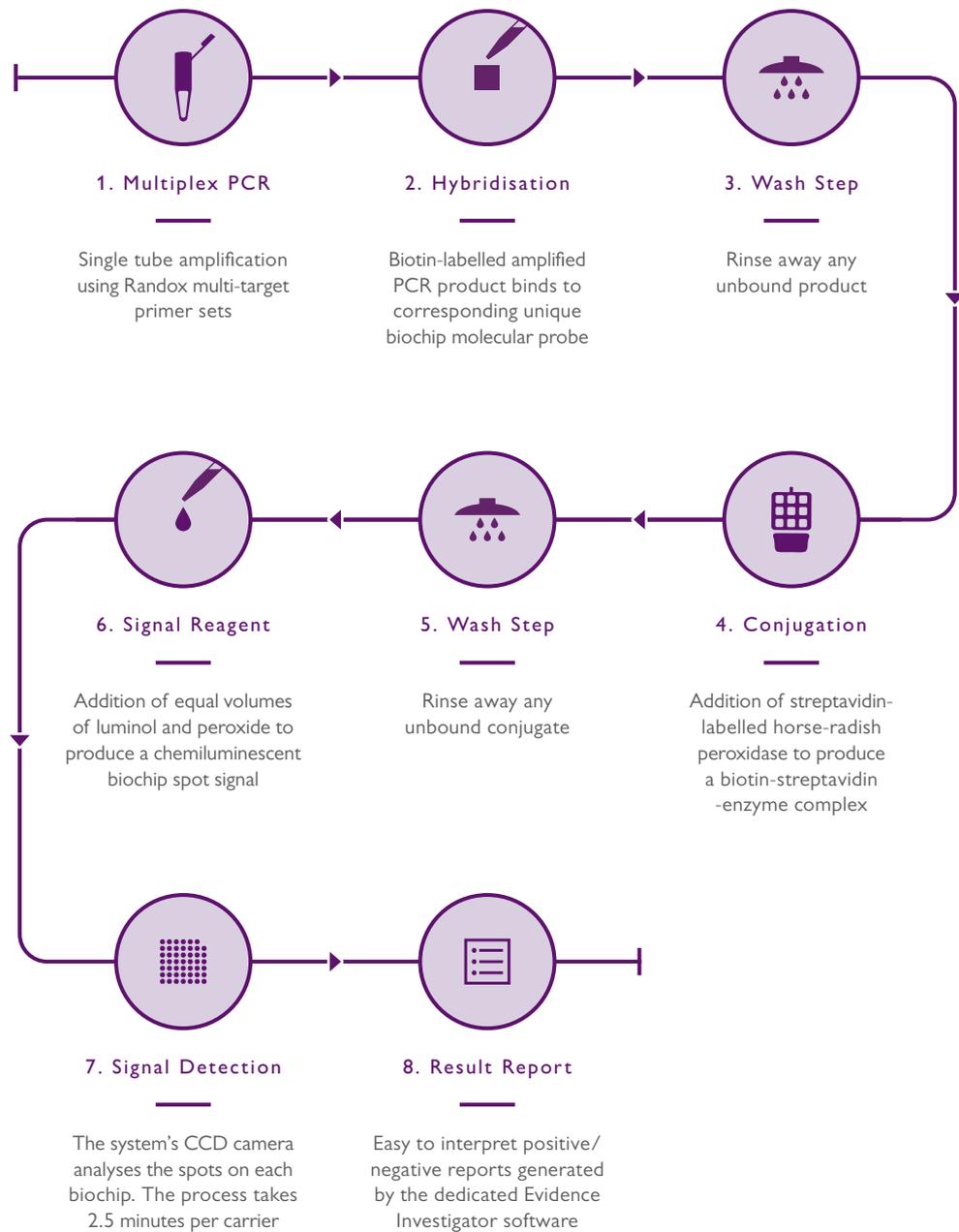


SNP Genotyping

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

ACUTE KIDNEY INJURY

Clusterin
Cystatin C
Kidney Injury Molecule-1
Lipocalin

ADHESION MOLECULES

E-Selectin
Intercellular Adhesion Molecule-1
L-Selectin
P-Selectin
Vascular Cell Adhesion Molecule-1

ANAEMIA

Ferritin

ALZHEIMERS RISK

ApoE4
Pan ApoE

CEREBRAL

D-Dimer
Neuron Specific Enolase
Neutrophil Gelatinase-Associated Lipocalin
Soluble Tumour Necrosis Factor Receptor I

CHRONIC KIDNEY DISEASE

C3a Des Arg
C-Reactive Protein
Cystatin C
D-Dimer
Epidermal Growth Factor
Fatty Acid-Binding Protein I
Interlukin - 8
Macrophage Inflammatory Protein-1 α
Neutrophil Gelatinase-Associated Lipocalin
Soluble Tumour Necrosis Factor Receptor I
Soluble Tumour Necrosis Factor Receptor II

COVID-19

SARS-CoV-2 Antigen
Receptor Binding Domain
Nucleocapsid

CYTOKINES

Granulocyte-Macrophage Colony Stimulating Factor
Interleukin-1 α
Interlukin -1 β
Interlukin - 2
Interlukin - 3
Interlukin - 4
Interlukin - 5
Interlukin - 6
Interlukin - 7
Interlukin - 8
Interlukin - 10
Interlukin - 12p70
Interlukin - 13
Interlukin - 15
Interlukin - 23
Interferon Gamma

CYTOKINES (Continued)

Human EGF
Monocyte Chemotactic Protein
Macrophage Inflammatory Protein-1 α
Matrix Metalloproteinase-9
Soluble IL-2 Receptor α
Soluble IL-6 Receptor
Soluble Tumour Necrosis Factor Receptor I
Soluble Tumour Necrosis Factor Receptor II
Tumour Necrosis Factor Alpha
Vascular Endothelial Growth Factor

EPIDERMAL GROWTH FACTOR (EGF)

Amphiregulin (AREG)
Herapin-Binding EGF-like Growth Factor (HBEGF)
Transforming Growth Factor - Alpha (TGF- α)

IMMUNOASSAY TEST MENU

GASTROINTESTINAL

Gastrin I7
Helicobacter Pylori
Pepsinogen I
Pepsinogen II

IMMUNODEFICIENCY

Interleukin-17A
Interleukin 17F
Interleukin-22
Interleukin-17

METABOLIC

Ferritin
Interleukin-6
Insulin
Adiponectin
C-Reactive Protein
Cystatin C
Leptin
Parathyroid Hormone
Plasminogen Activator Inhibitor-I
PTH
Resistin
Tumour Necrosis Factor α

PANCREATIC CANCER

Cancer Antigen 19-9 – CA19-9
Carcinoembryonic Antigen
Alpha-I-Acid Glycoprotein

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 I – sTNFR I

THYROID

Anti-thyroglobulin (TgAb)
Anti-thyroid peroxidase Antibody (TPOAb)
Thyroxine Binding Globulin (TBG)
Total thyroxine (TT4)
Total tri-iodothyronine (TT3)

TISSUE DAMAGE

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

TOXICOLOGY TEST MENU

DoA I+

Amphetamine
 Barbiturates
 Benzodiazepines I (Oxazepam)
 Benzodiazepines II (Lorazepam)
 Buprenorphine
 Benzoyllecgonine (Cocaine Metabolite)
 Cannabinoids (THC)
 Creatinine (*Urine Only*)
 Methadone
 Methamphetamine
 MDMA
 Opiate
 Phencyclidine (PCP)
 Tricyclic Antidepressants (TCA)

DoA ULTRA

Amphetamine
 Barbiturates
 Benzodiazepines I (Oxazepam)
 Benzodiazepines II (Lorazepam)
 Benzodiazepines III (Clonazepam)
 Benzoyllecgonine (Cocaine Metabolite)
 Buprenorphine
 Cannabinoids (THC)
 Dextromethorphan
 Fentanyl
 Generic Opioids
 Meprobamate
 Methadone
 Methamphetamine
 Opiates
 Oxycodone I
 Oxycodone II
 Phencyclidine (PCP)
 Tramadol
 Tricyclic Antidepressants (TCA)
 Zolpidem

DoA Hair

Amphetamine
 Benzodiazepine
 Cannabinoids (THC)
 Benzoyllecgonine (Cocaine Metabolite)
 Hydrocodone
 Ketamine
 Methamphetamine
 Opiate
 Oxymorphone
 Phencyclidine (PCP)

NPS I

AB-CHMINACA (Synthetic Cannabinoids)
 AB-PINACA (Synthetic Cannabinoids)
 Bath Salts I (Mephedrone / Methcathinone)
 Bath Salts II (α -PVP / MDPV)
 Benzylpiperazines
 JWH-018 (Synthetic Cannabinoids)
 Mescaline
 Phenylpiperazines I
 Phenylpiperazines II
 Salvinorin
 UR-144/XLR-11 (Synthetic Cannabinoids)

NPS II

Acetylfentanyl
 AH-7921
 Buprenorphine
 Carfentanil/Remifentanil
 Clonazepam
 Etizolam
 Furanylfentanyl
 Mitragynine
 MT-45
 Naloxone
 Ocfentanyl
 Sufentanil
 U-47700
 W-19

MOLECULAR TEST MENU

RESPIRATORY

COVID-19

SARS-CoV-2
Sarbecovirus (SARS, SARS Like, SARS-CoV-2)

EXTENDED CORONAVIRUS PANEL

Adenovirus A/B/C/D/E
Coronavirus 229E/N663
Coronavirus OE43/HKUI
Enterovirus A/B/C
Influenza A
Influenza B
MERS-CA
Sarbecovirus (SARS, SARS Like, SARS-CoV-2)
SARS-CoV-2
Rhinovirus A/B/C

RESPIRATORY TRACT PANEL

Viral

Adenovirus A/B/C/D/E
Bocavirus 1/2/3
Coronavirus 229E/N663
Coronavirus OE43/HKUI
Enterovirus A/B/C
Influenza A
Influenza B
Metapneumovirus
Parainfluenza Virus 1
Parainfluenza Virus 2
Parainfluenza Virus 3
Parainfluenza Virus 4
Respiratory Syncytial Virus A/B
Rhinovirus A/B/C

Bacterial

Bordetella parapertussis
Bordetella pertussis
Chlamydomphila pneumoniae
Haemophilus influenzae
Legionella pneumophila
Moraxella catarrhalis
Mycoplasma pneumoniae
Streptococcus pneumoniae

CHRONIC LUNG PANEL

Viral

Adenovirus B/C/E
Influenza A
Influenza B
Rhinovirus A/B

Bacterial

Achromobacter xylosoxidans
Bordetella pertussis
Burkholderia cenocepacia
Burkholderia cepacia complex (21 spp)
Chlamydia pneumoniae
Haemophilus influenzae
Moraxella catarrhalis
Mycobacterium avium complex (4 Spp)
Mycoplasma pneumoniae
Non-Tuberculous mycobacterium (7 Spp)
Pandora species (5 Spp)
Prevotella species (16 Spp)
Pseudomonas aeruginosa
Staphylococcus aureus
Stenotrophomonas maltophilia
Streptococcus pneumoniae (1 Spp)
Streptococcus species (19 Spp)
Veillonella species (3 Spp)

Fungal

Aspergillus Fumigatus
Candida Albicans
Exophiala Dermatitidis
Scedosporium Species (7 Spp)

MOLECULAR TEST MENU

GENITOURINARY

SEXUALLY TRANSMITTED INFECTIONS PANEL

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)

URINARY TRACT INFECTIONS PANEL

Bacterial

Acinetobacter baumannii
Citrobacter freundii
Citrobacter koseri
Enterobacter cloacae
Enterococcus faecalis
Enterococcus faecium
Escherichia coli
Klebsiella aerogenes
Klebsiella oxytoca
Klebsiella pneumoniae
Morganella morganii
Proteus spp.
Providencia rettgeri
Providencia stuartii
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
Staphylococcus epidermidis
Staphylococcus saprophyticus
Streptococcus agalactiae (Gbs)

Fungal

Candida Albicans

Antibiotic Resistance

mecA (Incl MRSA)
S Meca (Incl MRSA)
Trimethoprim Resistance 1
Trimethoprim Resistance 2
Trimethoprim Resistance 3
Trimethoprim Resistance 4
Trimethoprim Resistance 5
Van A
Van B

GENETIC

KRAS, BRAF, PIK3CA

KRAS – 16 Mutations
BRAF – 1 Mutation
PIK3CA – 3 Mutations

FAMILIAL HYPERCHOLESTEROLEMIA

LDLR – 38 Mutations
APOB – 1 Mutation
PCSK9 – 1 Mutation

CARDIAC RISK PREDICTION

19 SNPs with Risk Algorithm

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
 AMOZ
 AHD
 SEM

Antimicrobial Array III (CAP Only)

Chloramphenicol

Antimicrobial Array IV

Spiramycin/Josamycin
 Apramycin
 Bacitracin
 Neomycin/Paramomycin
 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

Beta Lactams Array Plus

Beta Lactam
 Cephalexin
 Cefuroxime

Coccidiostats Array

Clopidol
 Decoquinat
 Diclazuril
 Halofuginone
 Imidocarb
 Lasalocid
 Maduramicin
 Monensin
 Nicarbazin
 Robenidine
 Salinomycin
 Toltrazuril

Growth Promoter

Beta-Agonists
 Boldenone
 Corticosteroids
 Nandrolone
 Ractopamine
 Stanozolol
 Stilbenes
 Trenbolone
 Zeranol

InfiniPlex for Milk

Quinolones
 Beta-Lactams
 Cefalexin
 Erythromycin
 Spiramycin
 Tylosin
 Lincosamides
 Pirlimycin
 Neomycin
 Streptomycin
 Gentamicin

FOOD DIAGNOSTICS TEST MENU

InfiniPlex for Milk (Continued)

Kanamycin
Spectinomycin
Amphenicols
Trimethoprim
Baquiloprim
Cefazolin
Rifaximin
Apramycin
Virginiamycin
Tildipirosin
Tobramycin
Tetracyclines
Polymixins
Bacitracin
Cefuroxime
5-hydroxy Flunixin
Meloxicam
Metamizole
Tolfenamic Acid
Phenylbutazone
Chlormadinone
Methylprednisolone
Sulphapyridine
Dapsone
Melamine
Nitroxylin
Aflatoxin M1
Sulphonamides
Novobiocin
Ractopamine
Dexamethasone
Hygromycin B
Sulfaguanidine
Sulphamethazine

Bovine Pathogen Array

Bovine Viral Diarrhoea (BVD)
Bovine Herpesvirus I
Paratuberculosis
Leptospirosis
Neospora Caninum
Fasciola Hepatica

Pesticides Array

Acetamiprid (AAP)
Amitraz (AMI)
Azoxystrobin (AZX)
Bromopropylate (BRM)
Carbofuran (CBF)
Carbaryl (CBY)
Carbendazim (CBZ)
Chlorpyrifos (CPY)
Clothianidin (CLO)
Coumaphos (COU)
Imidacloprid (IMI)
Thiamethoxam (THM)
Fenpyroximate (FNP)
Imazalil (IMZ)

InfiniPlex II

Benzimidazoles (BNZ)
2-Amino Benzimidazole (AMINO)
Thiabendazole/Niclosamide(THIA)
Triclabendazole (TRI)
Levamisole (LEVA)
Avermectins (AVER)
Moxidectin (MOXI)
Nitroxylin (NTX)
Closantel (CLOS)
Oxyclozanide (OXY)
Clorsulon (CLOR)
Morantel (MRT)
Derquantel (DRQ)
Monepantel (MON)
Halofuginone (HALO)
Imidocarb (IMIDO)
Toltrazuril (TOLT)
Monensin (MOE)
Lasalocid (LAS)

Myco 9 Array

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

SOFTWARE

Evidence Investigator

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 United Kingdom
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 www.randex.com
 Software Version: 2.0.0

Worklist Array
 Available Loading

Worklist Summary
 Carrier Array No. Samples

Camera Status
 Loading 0
 Temperature suitable reference for imaging.

Investigator Cycle Status
 Available Work

Calibration History

Array Calibration Details
 Array: Group of Above Calibration Date: 07/02/2014 Calibration Time: 12:00:00
 Calibration ID: 237 Calibration Batch: 8554 Calibration Empty: 12/01/2016
 Calibration Status: Pass
 Analyte Calibration Details: Analyte: BETHMETHAMINE Target Curve Fit (R): 0.95 Curve Fit (R): 1.00

Analyte Results

Carrier	Expected	Actual
Wet 1	0	0
Wet 2	82	77
Wet 3	169	166
Wet 4	359	412
Wet 5	617	626
Wet 6	865	942
Wet 7	1223	1238
Wet 8	1612	1565
Wet 9	2066	2427

Calibration Curve

Graph showing Concentration (ng/ml) vs Response.

Worklist Array
 Available Loading

Worklist Summary
 Carrier Array No. Samples

Camera Status
 No Work (Off/Loading)

Investigator Cycle Status
 Available Work

Sample Entry

Sample Carrier Data Entry
 Carriers for worklist complete.

Array Selection

- Adhesion Molecules Array
- Anti-Microbial Array I
- Anti-Microbial Array II
- Cardiac
- Cardiac Array I
- Cardiac Array II
- Cytokine Array
- Cytokine Array IV
- Cytokine Array V
- Cytokine High Sensitivity Array
- Drugs Of Abuse
- Drugs Of Abuse (Dual Path)
- Drugs Of Abuse (L-View) SD
- Drugs Of Abuse (MSE) SD

Worklist: 'SW Test 01'

Carrier	Array Name	Well	Sample Code	Type	# Factor
1	Group Of Above	1	AB8912310101...	Calibrator	1
1	Group Of Above	2	AB8912310102...	Calibrator	1
1	Group Of Above	3	AB8912310103...	Calibrator	1
1	Group Of Above	4	AB8912310104...	Calibrator	1
1	Group Of Above	5	AB8912310105...	Calibrator	1
1	Group Of Above	6	AB8912310106...	Calibrator	1
1	Group Of Above	7	AB8912310107...	Calibrator	1
1	Group Of Above	8	AB8912310108...	Calibrator	1
1	Group Of Above	9	AB8912310109...	Calibrator	1
2	Group Of Above	1	Sample 1	Sample	1
2	Group Of Above	2	Sample 1	Sample	1
2	Group Of Above	3	Sample 1	Sample	1
2	Group Of Above	4	Sample 1	Sample	1
2	Group Of Above	5	Sample 1	Sample	1
2	Group Of Above	6	Sample 1	Sample	1
2	Group Of Above	7	Sample 1	Sample	1
2	Group Of Above	8	Sample 1	Sample	1
2	Group Of Above	9	Sample 1	Sample	1

Worklist Array
 Loaded 6 of 6

Worklist Summary
 Carrier Array No. Samples

Camera Status
 No Work (Off/Loading)

Investigator Cycle Status
 Available new work

Result History

General search by Array, Date, Operator and Batch

Selected Samples Results View

Sample	Date	Carrier	Array	Result	Operator
1	15/01/2014	237	EQ	Agilent	Agilent
2	15/01/2014	237	EQ	Agilent	Agilent
3	15/01/2014	237	EQ	Agilent	Agilent
4	15/01/2014	237	EQ	Agilent	Agilent
5	15/01/2014	237	EQ	Agilent	Agilent
6	15/01/2014	237	EQ	Agilent	Agilent
7	15/01/2014	237	EQ	Agilent	Agilent
8	15/01/2014	237	EQ	Agilent	Agilent
9	15/01/2014	237	EQ	Agilent	Agilent
10	15/01/2014	237	EQ	Agilent	Agilent
11	15/01/2014	237	EQ	Agilent	Agilent
12	15/01/2014	237	EQ	Agilent	Agilent
13	15/01/2014	237	EQ	Agilent	Agilent
14	15/01/2014	237	EQ	Agilent	Agilent
15	15/01/2014	237	EQ	Agilent	Agilent
16	15/01/2014	237	EQ	Agilent	Agilent
17	15/01/2014	237	EQ	Agilent	Agilent
18	15/01/2014	237	EQ	Agilent	Agilent
19	15/01/2014	237	EQ	Agilent	Agilent
20	15/01/2014	237	EQ	Agilent	Agilent

Worklist Array
 Available Loading

Worklist Summary
 Carrier Array No. Samples

Camera Status
 No Work (Off/Loading)

Investigator Cycle Status
 Available Work

On-board data analysis

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

Simplicity

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

Flexibility

- Multi-format option for reviewing results
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
Connectivity	LIMS integration
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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 I A L 250V (20mm x 5mm)
Incubation time	Array-specific, typically, between 30-90 minutes
Installation requirements	Evidence Investigator must be connected to a single-phase power supply
Measurement principle	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

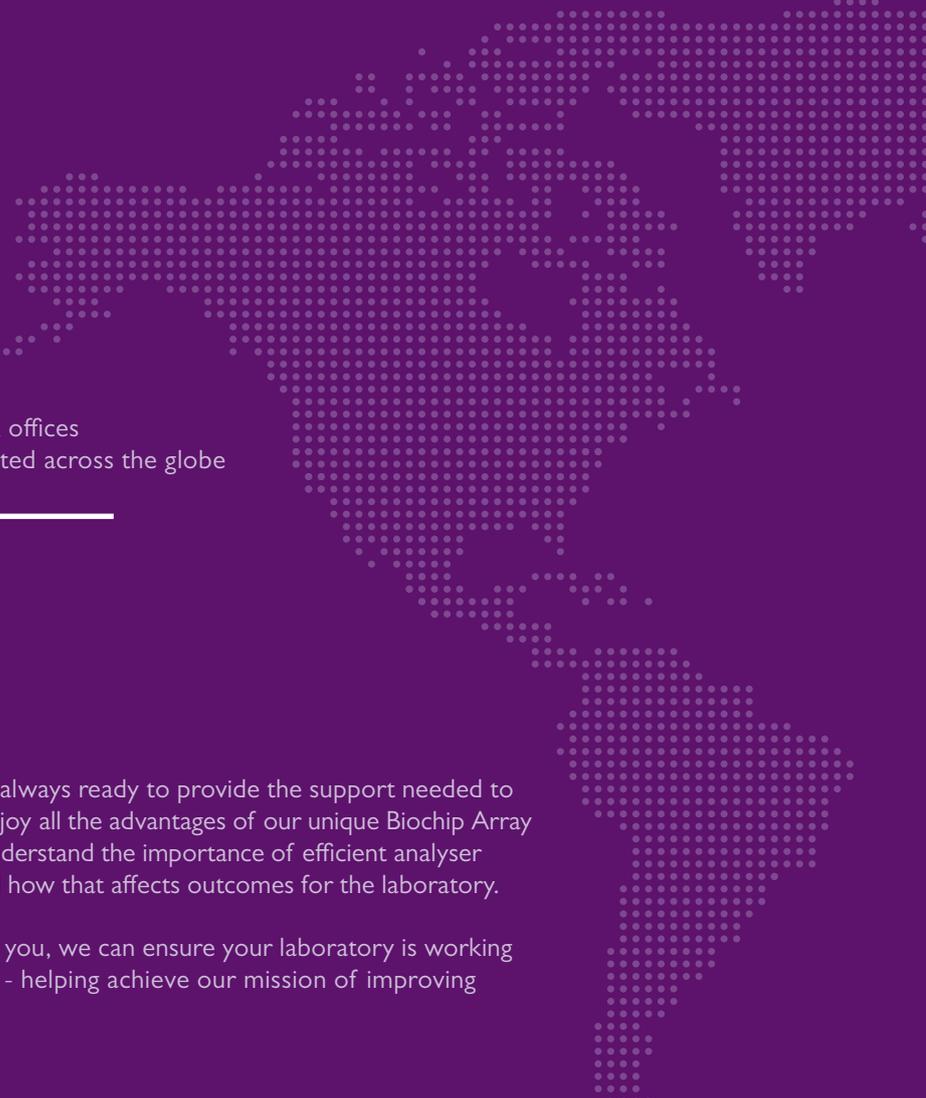
“EQUIPPED TO PROVIDE RELIABLE RESULTS AND ROBUST ENOUGH TO WITHSTAND FREQUENT, HEAVY USE”

Sample loading	Single carrier loading bay
Sample throughput	Array-specific
Sample type	Array-specific including serum, plasma, blood, urine, tissue, feed, honey, milk, egg, cell culture supernatant, cerebrospinal fluid, oral fluid, bronchoalveolar lavage fluid, forensic matrices
Sample volume	Array-specific; typically, between 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

LOCAL ENGINEERS. GLOBAL COVERAGE.

Radox Laboratories provides customers with an unrivalled support service. Our international team of fully qualified engineering and technical support specialists deliver on-site Evidence Series immunoanalyser installation, training and validation. We also offer a range of bespoke services and extended warranty packages that can be tailored to your budget.

We place extreme importance on customer service, so it is our top priority to provide the best quality support. Our global network of local specialists are here to help you and respond rapidly to any query.



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Radox offices
distributed across the globe

At Radox we are always ready to provide the support needed to ensure you fully enjoy all the advantages of our unique Biochip Array Technology. We understand the importance of efficient analyser operation time and how that affects outcomes for the laboratory.

Working alongside you, we can ensure your laboratory is working to an optimal level - helping achieve our mission of improving health worldwide.



145
countries covered
by our distributor network

>50
technical support specialists

>45
trained service engineers

>350
scientists placed
around the world

WHY BUY EVIDENCE INVESTIGATOR?



Test Menu

Most unique test menu with all routine immunoassays and new tests under development



Consolidation

Multiplex testing allows multiple tests to be carried out from a single undivided sample



Speed

Faster sample processing time than leading competitors





Matrices

Serum, plasma, blood, urine, tissue, egg, feed, honey, milk, cerebrospinal fluid, saliva and forensic matrices



Adaptability

Suitable for clinical, molecular, food and toxicology testing



Throughput

Throughput of up to 2376 tests per hour

ADAPTABLE, EFFICIENT & COMPREHENSIVE

 Radox Investigator

