

Clinical Arrays

Free Thyroid Array

- ☐ Thyroid stimulating hormone (TSH)
- ☐ Free tri-iodothyronine (FT₃)
- ☐ Free thyroxine (FT₄)

Total Thyroid Array

- ☐ Thyroid stimulating hormone (TSH)
- ☐ Total tri-iodothyronine (TT₃)
- ☐ Total thyroxine (TT₄)

Fertility Array

- ☐ Follicle stimulating hormone (FSH)
- ☐ Prolactin (PRL)
- ☐ Lutenising Hormone (LH)
- ☐ Estradiol*
- ☐ Progesterone
- ☐ Testosterone

Tumour Monitoring Array

- ☐ Carcinoembryonic antigen (CEA)
- ☐ α - Fetoprotein (AFP)
- ☐ Human chorionic gonadotrophin (hCG)
- ☐ Gastrointestinal tumour antigen (CA 19-9)
- ☐ Ovarian tumour antigen (CA 125)
- ☐ Breast cancer antigen (CA 15-3)

Tumour PSA Array

- ☐ Total prostate specific antigen (tPSA)
- ☐ Free prostate specific antigen (fPSA)
- ☐ Carcinoembryonic antigen (CEA)

Cell Adhesion Molecule Array*

- ☐ I - CAM
- ☐ V- CAM
- ☐ E - Selectin
- ☐ P - Selectin
- ☐ L - Selectin

Customised Biochips available

- ☐ Produced on demand

Cytokines & Growth Factors Array

- ☐ Interleukin-1 alpha (IL-1 α)
- ☐ Interleukin-1 beta (IL-1 β)
- ☐ Interleukin-2 (IL-2)
- ☐ Interleukin-4 (IL-4)
- ☐ Interleukin-6 (IL-6)
- ☐ Interleukin-8 (IL-8)
- ☐ Interleukin-10 (IL-10)
- ☐ Interleukin-12 (IL-12)*
- ☐ Vascular Endothelial Growth Factor (VEGF)
- ☐ Tumour Necrosis Factor-alpha (TNF- α)
- ☐ Interferon-gamma (IFN- γ)
- ☐ Epidermal Growth Factor (EGF)
- ☐ Monocyte Chemotactic Protein-1 (MCP-1)

Cardiac Array

- ☐ Troponin I
- ☐ Myoglobin
- ☐ CK-MB
- ☐ Carbonic Anhydrase III (CA III)
- ☐ Glycogen Phosphorylase BB (GPBB)
- ☐ Fatty Acid Binding Protein (FABP)

Drugs of Abuse Array I

- ☐ Amphetamine
- ☐ Methamphetamine
- ☐ Cocaine
- ☐ Barbiturates
- ☐ Cannabinoids
- ☐ Opiates
- ☐ Methadone
- ☐ Benzodiazepines
- ☐ Lorazepam
- ☐ Phencyclidine
- ☐ Creatinine

Multi-analyte Quality Controls

- ☐ Drugs of Abuse
- ☐ Cardiac
- ☐ Cytokine
- ☐ Immunoassay
- ☐ Customised quality controls

Future Developments*

- ☐ Anaemia Array
- ☐ Allergen Array (IgE)
- ☐ Cerebral Array
- ☐ Cytokines and Growth Factors Arrays
- ☐ Maternal Screen Array
- ☐ Platelet Activation and Vasoactive Agents
- ☐ Additional Tumour Markers
- ☐ Breast Cancer Diagnosis and Classification
- ☐ Breast Cancer Screening
- ☐ Bone Marker
- ☐ Drugs of Abuse Array II

* in development

Veterinary Drug Residue Arrays

Randox scientists have embarked on a programme of research and development of new products for the detection of drug abuse in meat production and sport. The following arrays have been developed for the simultaneous determination of veterinary drug residues in various sample matrices.

Growth Promoter Array I

- ☐ β -Agonist
- ☐ Trenbolone
- ☐ Boldenone
- ☐ Stilbenes
- ☐ Stanozolol
- ☐ Nortestosterone
- ☐ Corticosteroids
- ☐ Ractopamine
- ☐ Zeranol

Anti-Microbial Array I

- ☐ Sulphamerazine
- ☐ Sulphadimethoxine
- ☐ Sulphaquinoxaline
- ☐ Sulphamethazine
- ☐ Sulphadiazine
- ☐ Sulphamethazole
- ☐ Sulphadoxine
- ☐ Sulphapyridine
- ☐ Sulphamethoxypyridazine
- ☐ Sulphachlorpyridazine
- ☐ Sulphathiazole
- ☐ Sulphaisoxazole

Anti-Microbial Array II*

- ☐ Tetracyclines
- ☐ Phenicol
- ☐ Beta-lactams
- ☐ Quinolones
- ☐ Cephalosporins
- ☐ Carbadox

Anti-Microbial Array III*

- ☐ Nitrofurans
- ☐ Phenicol
- ☐ Dyes
- ☐ Imidazoles

Synthetic Steroids*

- ☐ Synthetic androgens
- ☐ Synthetic gestagens
- ☐ Synthetic estrogens

Multi-analyte calibrators and controls are available for the assays listed above

Future Developments*

- ☐ Anti-Microbial Array IV
- ☐ β -Agonist Array
- ☐ Anti-Helminthics Array
- ☐ Coccidiostats Array

- ☐ Natural Steroids Array
- ☐ Thyreostats Array
- ☐ Anti-Inflammatory Drugs Array

DNA Arrays

Cardiovascular disease DNA Array*

- ☐ ACE
- ☐ Apo E
- ☐ ApoB
- ☐ ApoCIII
- ☐ CETP
- ☐ CYBA
- ☐ ELAM1
- ☐ Fg
- ☐ FII
- ☐ FVII
- ☐ GJA4
- ☐ GNB3
- ☐ IL6
- ☐ LDLR
- ☐ LPL
- ☐ LIPH
- ☐ MMP3

- ☐ MTHFR
- ☐ PON1
- ☐ SerpinE1
- ☐ PCSK9
- ☐ TNF- α

Will detect 27 different polymorphisms

Colorectal cancer DNA array*

- ☐ K-ras
- ☐ TP-53
- ☐ BRAF
- ☐ APC

Will detect 28 different mutations

cDNA Expression Arrays*

- ☐ Ovarian cancer
- ☐ Breast cancer

* in development