

Laboratory Training Programmes

What will you learn?

Diagnostic information from your DNA samples

New information will be delivered on samples from your lab, in the hands of your technicians.

Sample preparation and quality control

How to optimise and assess the quality of your own DNA samples, the critical factor in the performance of an arrayCGH investigation.

Laboratory protocols

How to use proven bench techniques to generate high quality results under instruction from our experienced laboratory scientists.

Data analysis and reporting

How to complete the analysis, interpretation and reporting of samples using BlueGnome's BlueFuse Multi software.

Capital equipment

Which capital equipment is required, what alternative options are available and how to best utilise available equipment back in your own lab.

Laboratory training on your DNA samples

BlueGnome training programmes enable laboratories to undertake practical training, at the bench, under the direct supervision of BlueGnome's experienced laboratory scientists. Wherever possible training is undertaken using samples supplied by the trainees in order to ensure rapid translation of protocols back in the lab and a reduction in the time taken to establish the arrayCGH service.



Training is conducted at BlueGnome's R&D and production facility near Cambridge, UK

What's included

- Laboratory training for two personnel.
- All consumables to run your DNA samples in the BlueGnome laboratory under our instruction during the programme.
- Additional consumables to repeat the training programme on the same number of samples upon returning to your laboratory.
- In the case of the 24sure Training Programme a SurePlex DNA Amplification System is supplied ahead of the training in order to generate amplifications for use on the programme.

Delivering Decisions from DNA



Targeted microarrays

- Tiling on 137 OMIM genes
- 4 formats including ISCA

Complementary software

- Laboratory database
- Automated analysis
- Cross sample querying

Genome wide FISH library

- 26,000 probes, 3 colours
- Online ordering
- Typically 14 day turnaround

Labelling systems

- Quality controlled on arrays
- Convenient 16 reaction format
- COT DNA optionally available

Training is available on all of BlueGnome's array platforms as summarised in the table below.

Description

	CytoChip V3 Training Programme 4102-1	CytoChip Focus Training Programme 4102-2	CytoChip Oligo ISCA 4x44K Training Programme 4102-3	24sure Training Programme 4102-4
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Sample specification

No. of samples and type processed during training programme	4 DNA samples extracted from fresh peripheral blood	8 DNA samples extracted from amniotic fluid, CVS or bone marrow	8 DNA samples extracted from fresh peripheral blood	8 single cells in supplied PBS and/or SurePlex amplifications
Sample specification	2 µg preparations of unsheared, undigested genomic DNA diluted to 100 ng/µl and stored in TE			Freshly biopsied cells in supplied PBS and/or SurePlex amplification product

Schedule

Day 1	Start at 14.00 Check sample quality Make up master mixes Leave to label overnight	Start at 9.00 Amplify single cells Quality control amplified products Make up master mixes Leave to label overnight
Day 2	Labelling clean up and quantitation Hybridization overnight Software analysis and reporting	Hybridization Washing and scanning Software analysis and reporting End at 18.00
Day 3	Washing and scanning End at 12.00	

Additional products included

Before training programme		SurePlex DNA Amplification System (50 rxns) to generate amplifications for use during the programme
After the training programme	Arrays, consumables and software to repeat training programme upon returning to your laboratory	

Additional information

Further information including fully illustrated protocols, technical white papers and presentations from user group meetings is available at the Download Center at www.cytochip.com.

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