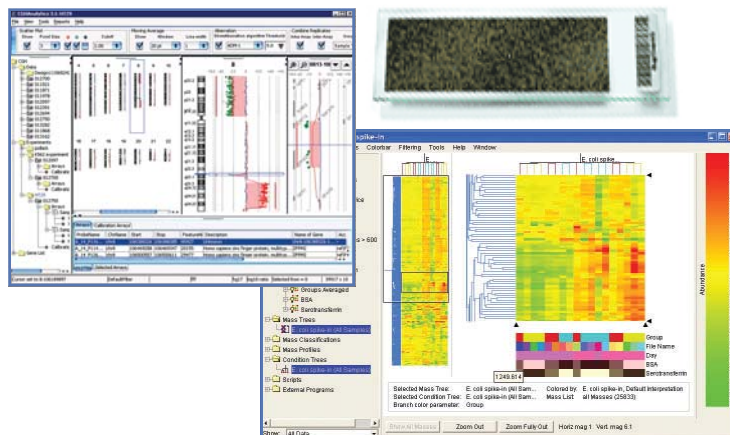




Agilent Microarray Service

- **Canada's First Certified Service Lab**
- **Complete Microarray Services**
- **Open Platform**
 - mRNA and lincRNA Gene Expression
 - MicroRNA
 - ChIP-on-chip
 - DNA Methylation
 - Comparative Genomic Hybridisation
 - Custom Microarray Applications
- **60-mer Oligonucleotide Microarrays**
 - High reproducibility
 - Improved sensitivity
 - One- or Two-colour detection
- **SureScan High-resolution Scanner**
- **Experimental Design & Consultation**
- **Data Analysis with GeneSpring GX**
- **Secure User Portal Access**
- **Bioanalyzer Lab-on-a-chip**



Gene Expression (8x60K or 4x44K)

- Human Whole Genome - mRNA and lincRNA
- Mouse Whole Genome - mRNA and lincRNA
- Rat Whole Genome
- Custom

Model Organism Gene expression (4x44K or 8x15K)

• Arabidopsis	• <i>E. coli</i>	• Rice
• Barley	• Horse	• Salmon
• Bovine	• <i>M. grisea</i>	• Sheep
• Brassica	• Maize	• Tobacco
• <i>C. elegans</i>	• Medicago	• Tomato
• Canine	• Mosquito	• Wheat
• Chicken	• Porcine	• Xenopus
• Cotton	• Rabbit	• Yeast
• Drosophila	• <i>Rhesus Macaque</i>	• Zebrafish

miRNA Expression (8x15K)

- Human
- Mouse
- Rat

ChIP-on-chip/Methylation (1M, 2x400K, 244K, 2x105K)

• Arabidopsis	• Mouse Promoter
• <i>C. elegans</i>	• <i>S. pombe</i>
• Drosophila	• Yeast
• Human ENCODE	• Zebrafish Promoter

CGH/CNV (1M, 2x400K, 244K, 2x105K)

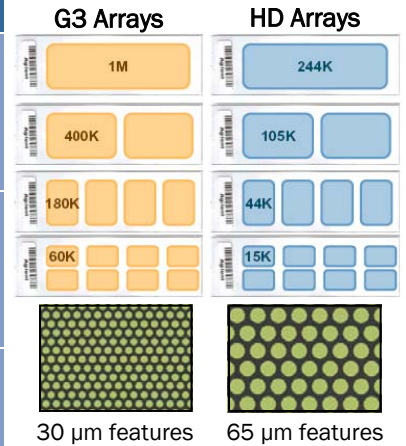
• Human	• Bovine	• Chimpanzee
• Mouse	• Canine	• <i>Rhesus Macaque</i>
• Rat	• Chicken	• Rice



NEW

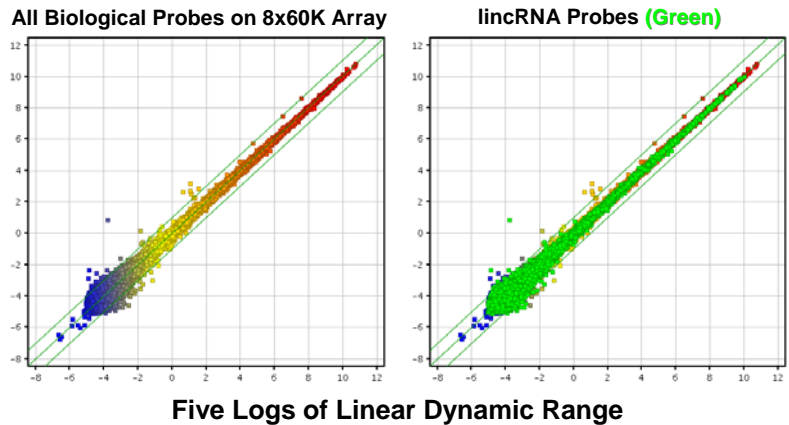
SurePrint G3 8x60K Microarrays

Species	Array Format	Entrez Gene Targets	% New Probes	lincRNA Targets	Database used for design
Human	SurePrint G3 8x60K	27,958	45.6%	7,419	<i>Refseq Build 36.3;</i> <i>Ensembl Release 52;</i> <i>Unigene Build 216 (Apr 2009);</i> <i>GenBank mRNA (Apr 2009)</i>
	SurePrint HD 4x44K v2	27,958	—	∅	
Mouse	SurePrint G3 8x60K	34,017	63.4%	4,623	<i>Refseq Build 37;</i> <i>Ensembl Release 55;</i> <i>Unigene Build 176 (Apr 2009);</i> <i>GenBank mRNA (Apr 2009)</i>
	SurePrint HD 4x44K v2	34,017	—	∅	
Rat	SurePrint G3 8x60K	26,930	61.8%	∅	<i>Refseq Build 36.2;</i> <i>Ensembl Release 55;</i> <i>Unigene Build 177 (Oct 2008);</i> <i>GenBank mRNA (Jan 2009)</i>
	SurePrint HD 4x44K v2	26,930	—	∅	



8x60K Microarrays

- Newer probes from updated databases
- Includes lincRNA probes
- Includes External RNA Consortium controls
- Wide linearity of dynamic range
- High reproducibility
- More affordable in 8-plex format
- Lower RNA input requirement

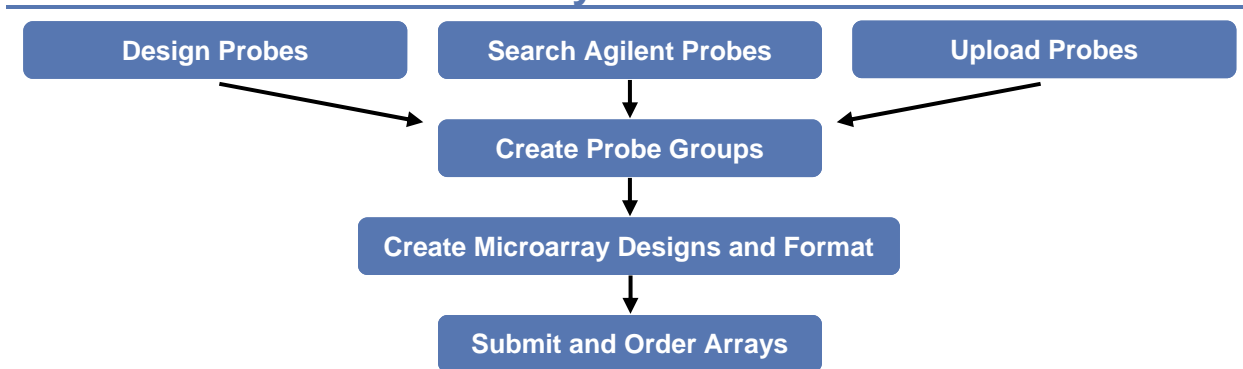


Custom Design eArray

- User-friendly web-based probe design on any genome and application
- Mix and match all Agilent catalog and custom contents
- Collaborative designs in shared workspace
- Multiple array formats (1M, 244K, 2x400K, 2x105K, 4x180K, 4x44K, 8x60K or 8x15K)

FREE

eArray Workflow



Agilent
Certified
Services Provider
Microarray-Based
Genomic Analysis

www.microarrays.ca

µA
UHN Microarray Centre