



Introducing the Canine High-Density (HD) Genotyping Array

Access current whole-genome DNA sequence and single nucleotide polymorphism data from the National Human Genome Research Institute

Introducing the Applied Biosystems™ Axiom™ Canine HD Genotyping Array—a new, comprehensive microarray-based tool for advanced canine research. This high-throughput solution covers over 700,000 empirically tested, informative SNPs and insertions/deletions for over 40 breeds making it the ideal tool for veterinary and human disease research as well as canine breeding programs.

Designed in collaboration with the Canine Consortium, this new solution includes markers from existing catalog arrays, such as breed-specific markers and functional variants to make comparison to historical data simple and seamless. The Axiom Canine HD Genotyping Array also includes new functional variants that are available on the Applied Biosystems™ Axiom™ Canine Genotyping Array Set A, as well as newly discovered intergenic variants (long noncoding RNA and miRNA) for a more comprehensive view.

Verified dog breeds

Verification samples have originated from sporting, non-sporting, working, toy, hound, herding, and terrier breeds.			
Afghan Hound	Dachshund	Labrador Retriever	Portuguese Water Dog
Akita	Doberman Pinscher	Leonberger (as a pedigree or trios)	Saluki
Basset Hound	German Shepherd	Mastiff	Scottish Terrier
Beagle	German Shorthaired Pointer	Miniature Poodle	Shetland sheep dog
Bichons Frise	Golden Retriever	Miniature Schnauzer	Siberian Husky
Border Collie	Gray Wolf	Mixed breed dogs	Soft Coated Wheaten Terrier
Boston Terrier	Great Dane	Newfoundland	Staffordshire Bull Terrier
Bulldog	Great Pyrenees (includes trios)	Old English Sheepdog	Village dogs
Cavalier King Charles Spaniel	Irish Water Spaniel	Pembroke Welsh Corgi	West Highland White Terrier
Chow Chow	Italian Greyhound	Pomeranian	Yorkshire Terrier

The Axiom Canine HD Genotyping Array is a complete solution for high-density, high-throughput canine genotyping, with samples prepared using the Applied Biosystems™ Axiom™ 2.0 Assay, which is available for processing on the Applied Biosystems™ GeneTitan™ Multi-Channel (MC) Instrument. The complete solution includes the Applied Biosystems™ Axiom™ Analysis Suite for easy, fast, and cost-effective data analysis to conduct canine genetic research.



Ordering information

Product	Quantity	Cat. No.
Axiom Canine HD Genotyping Array	1 x 96-array plate	550869
Related products		
Axiom Canine Genotyping Array Set A	1 x 96-array plate	550771
Axiom Canine Genotyping Array Set B	1 x 96-array plate	550772
Axiom 2.0 Reagent Kit	1 x 96 reaction kit	901758
Axiom GeneTitan Consumables Kit	1 x 96 reactions	901606

Contact your local genotyping technical sales specialist for more details and pricing.