BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

Thermo Fisher unveils its largest and most ethnically diverse array for pharmacogenomic research

January 6, 2024 | News

PangenomiX Array offers a cost-effective, accurate and reproducible solution



American supplier Thermo Fisher Scientific has launched the new Axiom PangenomiX Array, its largest and most ethnically diverse array to date, offering optimal genetic coverage for population scale disease studies and pharmacogenomic research.

The PangenomiX Array is currently the only research solution that combines four assays in one test: SNP genotyping, whole genome copy number variant detection, fixed copy number discovery, blood and HLA typing. The high-throughput array is designed to advance disease risk and detection research, population-scale disease research programs, ancestry and wellness testing, drug efficacy testing, and drug development research.

Inclusive of clinically relevant pharmacogenomic markers and pathogenic variants, the PangenomiX Array offers researchers enhanced whole-genome imputation and a high level of diversity for testing different ethnicities to keep pace with the growing understanding of the genome. The array has already been used to analyse nearly half a million ethnically diverse samples at a predominant biobank in the US to advance more inclusive research studies related to the prevention, diagnosis and treatment of disease.