

Blood typing research

New blood typing research array and software

Simplify extended blood typing research with a single workflow

Introducing a high-throughput, DNA-based research solution for comprehensive, cost-effective blood genotyping

The new Applied Biosystems™ Axiom™ BloodGenomiX™ Array and BloodGenomiX™ Reporter Software enable array-based blood group genotyping research for extended and rare blood types without the traditionally expensive, time-consuming, and largely manual blood typing workflow. Labs will now be able to detect a wide range of extended and rare blood groups, as well as tissue (HLA) and platelet (HPA) antigen types in a single, high-throughput assay, helping propel productivity and efficiency in their research.

Get highly accurate and reproducible results with the Axiom BloodGenomiX Array

This high-throughput, array-based blood group genotyping research solution can aid in studies supporting advancements in patient care by providing blood products matched for extended antigen phenotypes to mitigate the risk of hemolytic transfusion reactions and contributing to safer transfusions. The new Axiom BloodGenomiX Array was developed with international blood services professionals to facilitate highly accurate results for extended blood typing research in labs around the world.

thermofisher.com/extendedbloodtyping

applied biosystems

| Array-based blood group genotyping for research use | Serological testing |
|---|------------------------------------|
| Semi-automated | Manual |
| High throughput | Low throughput |
| Cost-effective, catalog array | Requires expensive, rare reagents |
| Streamlined workflow | Highly technical, complex workflow |

Serological testing has long been considered the gold standard for blood typing research. Increasingly, the health care community is realizing the benefits of molecular-based extended blood typing for highly accurate, precise results.

Scalable, DNA-based extended blood typing research

Streamline comprehensive blood typing research with the Axiom BloodGenomiX Array and BloodGenomiX Reporter Software

The Axiom BloodGenomiX Array can be coupled with the BloodGenomiX Reporter Software for a total workflow solution. The BloodGenomiX Reporter Software enables hands-off analysis and reporting with an automated workflow from quality control (QC) to reporting.

- A single array covers most extended and rare blood groups, tissue (HLA) types, and platelet (HPA) types, as well as extensive coverage of iron regulation and other donor characteristics to enable researchers to have a holistic understanding of donor health profiles
- Available in a 384-array format for high-throughput genotyping



Download data sheet for Axiom BloodGenomiX Array