Amiprox

ProtiPrep™ Pop2



Deplete. Enrich. Discover.

Plasma is a goldmine of biological insight but also one of the most challenging fluids to analyze. Highly abundant proteins like human serum albumin (HSA) and immunoglobulin G (IgG) make up nearly 70 % of the total protein content, masking low-abundance biomarkers of interest.

In just 10 minutes, ProtiPrep™ Pop2 removes over 97 % of HSA and IgG from only 10 µl of human plasma, making your sample ready for downstream proteomic analysis.

Note: For Research Use Only.
Not for diagnostic procedures.

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Not just a tube.
It's the whole workflow.

Patented centrifugal flow for reproducible, 10-minute plasma preparation.

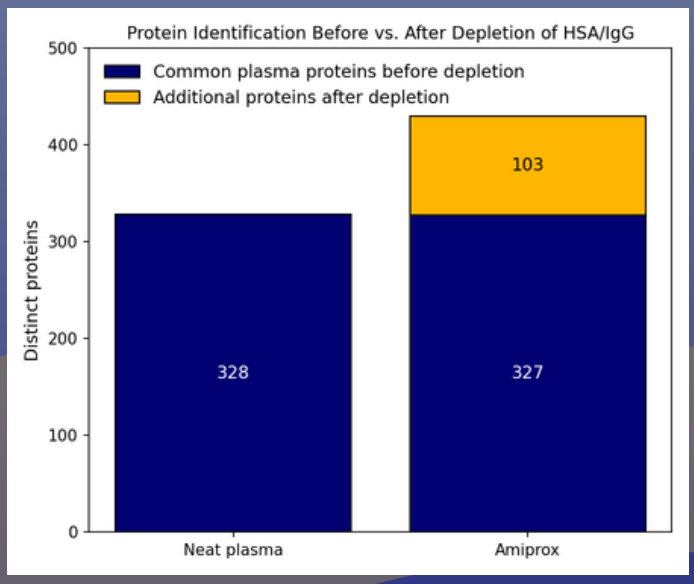


Figure 1: The number of distinct protein groups detected by mass spectrometry. Approximately 100 additional proteins were identified in samples that had been depleted using ProtiPrep™ Pop2 (right, n = 9) compared to undepleted neat plasma samples (left, n = 3). The measurements were conducted on an Orbitrap Exploris 480 (Thermo Fisher Scientific) and analyzed using R version 4.5.2 (2025-10-31) and SpectroPipeR package 0.4.6.1. For the determination of distinct protein counts, only proteins identified with at least two unique peptides were considered. Data was acquired by ProTec Diagnostic GmbH (Greifswald, Germany, 04.02.2026).

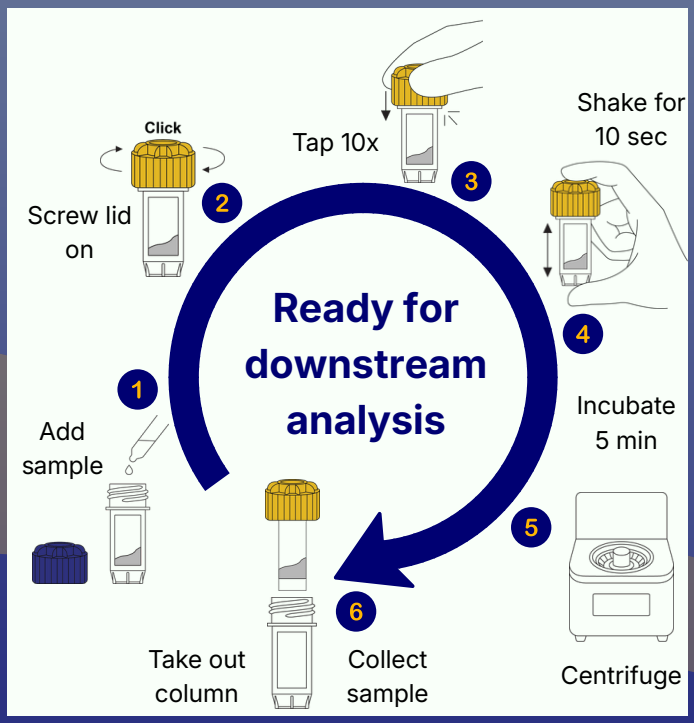


Figure 2: Workflow of the ProtiPrep™ Pop2 spin tube.

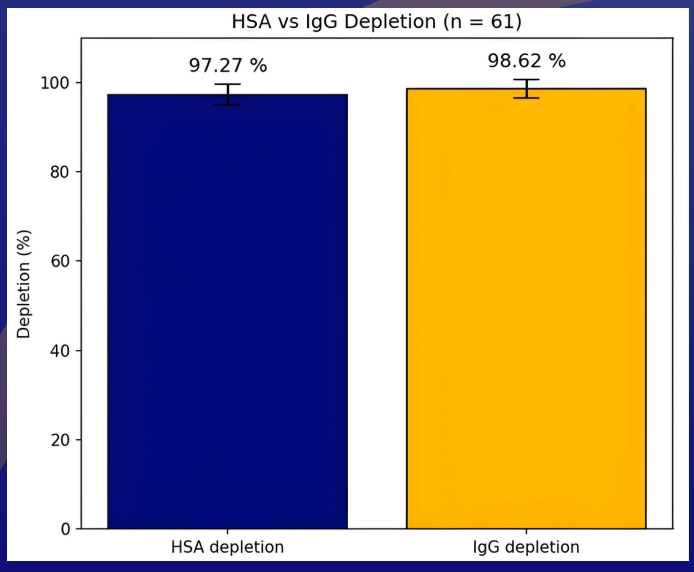


Figure 3: ELISA Depletion rates of HSA and IgG determined by ELISA. Pooled plasma (n = 134 donors) samples (n_{total} = 61) were processed via ProtiPrep™ Pop2 columns in three technical replicates. ELISA data were generated by using commercially available kits (HSA ELISA Kit (KE00076), Proteintech and Human IgG (Total) ELISA Kit, Thermo Fisher).

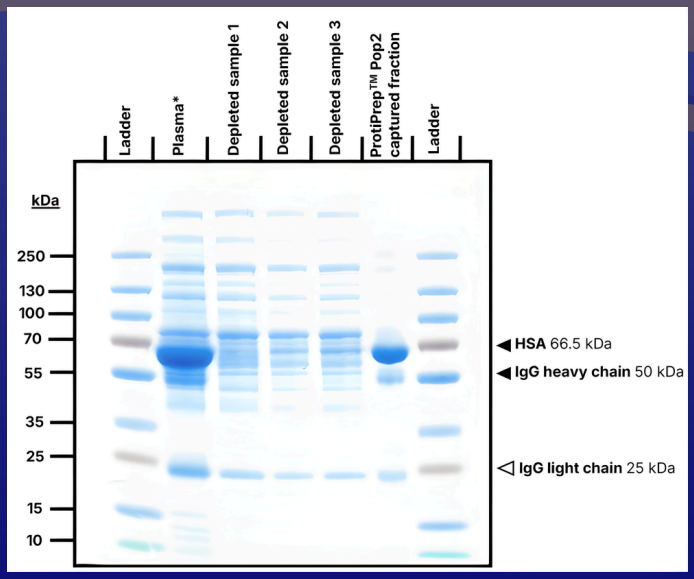


Figure 4: SDS-PAGE confirming reduction in signal for HSA and IgG. A triplicate of depleted pooled plasma was prepared using ProtiPrep™ Pop2 columns and prepared for an SDS-PAGE gel (Novex™ WedgeWell™ 4 to 20 %, Tris-Glycine, 1,0 mm, Thermo Fisher). Bands were compared to a marker (Thermo Scientific™ PageRuler™ Plus Prestained Protein Ladder, 10 - 250 kDa, Thermo Fisher).