

Universal Rapid Clear® 24-Well Filter Plate

Clarification Solution for All Molecule Types
With A 5-Minute Spin



PREPARE



ALICUOT



SEAL

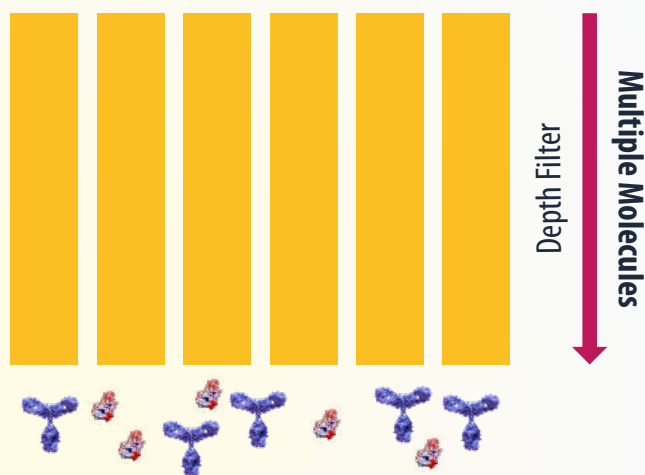


5 Minute Spin!
at 336REF



SPIN

ANALYZE
STORE
PROCESS/PURIFY



Non-binding: Works for multiple molecules

- ✓ IgG, Antigens, Bi-/Multi- specific, FC-fusions etc.
- ✓ Fast flow (Centrifuge or Positive Pressure/Force)
- ✓ Scalable - 96-well, 24-well, 6-well etc..

Clarifies up to 7mL each well: Supporting screening without the bottleneck of manual single-sample filters (i.e. syringe filters).

Depth-filtration technology: Effectively removes cells and particulates—no sequential filter steps, no risk of clogging, and minimal protein loss due to non-binding filter matrix.

Broad compatibility: Validated for IgG, bi-specifics, multi-specifics, fusion proteins, antigens, and intracellular lysates, fitting nearly any biologic or protein workflow.

Automation-ready: Standardized (ANSI/SLAS format) footprint integrates seamlessly with liquid handlers, robotics, and plate centrifuges. Works with all workflows including Ambr 15/250 bioreactor platforms for automated, high-throughput processes.

The Thomson Universal Rapid Clear® 24-Well Filter Plate delivers high-throughput samples in just a 5-minute spin for clarification, enabling labs to dramatically speed up their workflows. This plate replaces up to 24 manual syringe filtrations, vastly reducing hands-on time, error risk, and costs. Whether preparing supernatants from CHO, HEK293, E. coli, or insect cells achieve rapid & reliable clarification without disrupting protein yields.

STUDY 1 | Lundbeck

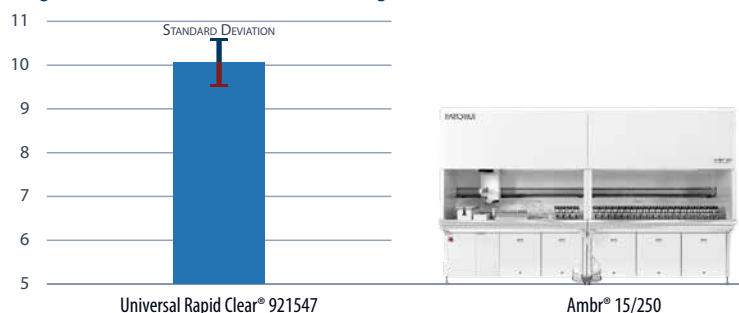


Utilizing Ambr® 15/250

The Thomson 24-Well Universal Rapid Clear® filter plate streamlines cell culture clarification by enabling consistent, high-throughput processing directly in a centrifuge with **336 RCF for 5-minute spin**. With efficient recovery of proteins across all wells, it ensures reproducible results for downstream applications.

This graph depicts the averages of 24 replicates and their standard deviation. Showing consistency in protein recovery across the plate.

Average, BioHT Total Protein Concentration (g/L)



The *Universal Rapid Clear*® 24-Well Filter Plate maximizes sample quality & throughput with just a 5 minute spin!

STUDY 2 | Vilya

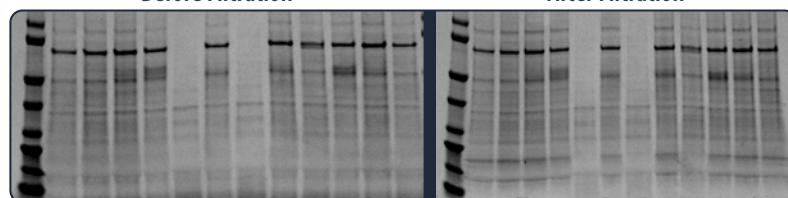


Quick Clarification for Secreted Protein Purification

Secreted protein from HEK293 cells was quickly clarified using the Universal Rapid Clear® 24 Well Filter Plate, achieving expected protein yield and purity after a single 5-minute spin.

Before Filtration

After Filtration



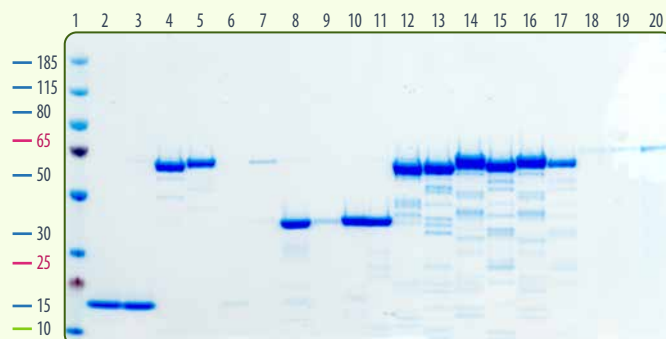
SDS-PAGE of secreted protein in media

STUDY 3 | Leash Bio



Cell Culture & Purification-Intracellular Protein Method

The Thomson Universal Rapid Clear® 24-Well Filter Plate demonstrated excellent performance across various cell culture systems and protein types. It achieved optical clarity suitable for downstream analysis via the non-binding depth filter matrix for 90-95% recovery from cell lysate.



4–12% BisTris SDS-PAGE in 1× MOPS, 45 min run, stained overnight with InstantBlue. Loaded 5µL of Streptactin XT elution (~240µL total) per lane; 5µL PageRuler Plus ladder for sizing.

Well Plate	Part Number
24-Well Universal Rapid Clear® Filter Plate	921547
24-Well Plate Square Well Round Bottom	931565-G-1X
24-Well Plate Square Well Round Bottom with Lid	931568
24-Well Plate Square Well Pyramid Bottom	931569-G-1X
24-Well Plate Square Well Pyramid Bottom with Lid	931571
Adhesive Foil Seal	899405-1



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