

Pure-Pass GLC

Plates with glass-like coating technology

Run unattended. Run with confidence.

High-throughput clinical labs depend on uninterrupted automation to maintain fast turnaround times. Yet when glass surfaces are required, labs often rely on workarounds—such as using glass vials or placing glass inserts into standard plastic plates. These setups can lead to misalignments in automated pipetting workflows, increasing the risk of run interruptions or failed runs.

The result is reduced data reliability, re-runs, and downtime, especially during unattended overnight operations. Trajan Pure-Pass GLC plates eliminate these workarounds, by integrating a glass-like coating within a standard plate geometry. This minimizes alignment issues, supporting more reliable automation, higher productivity, and the confidence to run overnight without disruption.

Key benefits



Maximize recoveries – Glass-like coating reduces non-specific binding, minimizing loss of hydrophobic analytes that readily adsorb to plastic surfaces.



Drive higher productivity – Integrated glass-like coating within a standard plate geometry reduces workflow disruptions, supporting reliable unattended automation.



Lower cost per sample – Fewer run interruptions reduce user intervention, improve throughput and minimize the need for costly re-runs.



Confidence in results – Reduced misalignment minimizes pipetting errors, delivering accurate and reproducible data.



ANSI/SLAS standard plate format – Industry-standard dimensions enable seamless robotic integration with no adapters, reprogramming, or workflow changes.

“Trajan’s Pure-Pass GLC well plates have transformed our automated workflow for challenging samples. By eliminating plate-to-vial transfers, we streamlined automation and reduced handling steps. Removing glass vials also minimized misalignments and prevented needle damage, cutting instrument downtime and improving lab productivity.”

Wanzhu Zhao
iC42 Toxicology, University of Colorado

Technical specifications

Applications

- Where glass surfaces are required for analytes
- High logP analytes and hydrophobic analytes such as lipids, hydrophobic drugs
- Sample preparation and storage

Material

Low-leachable polypropylene with GLC technology

Temperature stability / resistance

-80 to 80 degrees Celsius

Plate format

96-well/384-well following ANSI/SLAS format

V-bottom geometry

Maximize sample recovery

Accessories - sealing mats

- Made from a specially processed low leachable silicone to protect sample integrity.
- Effective sealing performance that minimizes evaporation and prevents contamination.
- Plasma-coated, non-stick surface designed for ease of use while preventing dust and contaminant adhesion.
- Excellent conformance with Trajan's ANSI/SLAS well plates.

Ordering information

TRAJAN PURE-PASS GLC PLATES, GLASS-LIKE COATING

Part number	Description	Total volume (µL)*	Suggested working volume (µL)	Qty
455001	Pure-Pass GLC plates , 96 well, V bottom, round, 500 µL, 7 mm	500	400	10
455002	Pure-Pass GLC plates , 96 well, V bottom, round, 1000 µL, 7 mm	1000	800	10
455006	Pure-Pass GLC plates , 96 well, V bottom, square, 2000 µL, 8 mm	2000	1800	10
455007	Pure-Pass GLC plates , 96 well, microtiter, V bottom, round, 350 µL, 7 mm	350	250	10
455008	Pure-Pass GLC plates , 384 well, microtiter, V bottom, square, 125 µL, 3.8 mm	125	<100	10
455009	Pure-Pass GLC plates , 384 deep well, V bottom, square, 220 µL, 3.8 mm	220	150	10

*Total volume corresponds to full well and may result in seal contact or inter-well overflow during plate handling. Working volume should be determined based on application, sealing method, solvent and handling conditions.

TRAJAN PURE-PASS SEALING MATS

Part number	Description	Qty
465001	Pure-Pass sealing mats , 96 well plates, plasma coated, silicone, round, 7 mm	10
465002	Pure-Pass sealing mats , 96 well plates, plasma coated, silicone, round, 7 mm with slit	10
465003	Pure-Pass sealing mats , 96 well plates, plasma coated, silicone, square, 8 mm	10
465004	Pure-Pass sealing mats , 96 well plates, plasma coated, silicone, square, 8 mm with slit	10
465010	Pure-Pass sealing mats , 384 well plates, plasma coated, silicone, square, 3.8 mm	10
465011	Pure-Pass sealing mats , 384 well plates, plasma coated, silicone, square, 3.8 mm with slit	10



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For further information visit www.trajanscimed.com/plates



GLC is a glass-like coating technology applied to a polypropylene plate. It boosts recovery of hydrophobic analytes and is physically stable within a standard plate format, reducing the risk of misalignments, run interruptions and failed runs.

