

MassGlass™ UC sample prep kits

Refeyn's MassGlass UC sample prep kits include clean uncoated slides tailored for mass photometry analysis of proteins and AAVs, intended for use with the TwoMP and SamuxMP lines of mass photometry instruments. These are paired with clean silicone sample well cassettes to provide the optimal sample interface for your measurement.

Mass photometry measurements require that the biomolecules interact with the glass surface, which makes a clean, regular surface critical for obtaining accurate and reproducible data. Refeyn's MassGlass UC slides and silicone sample well cassettes are tailored for measuring proteins 50 kDa and above with the TwoMP and TwoMP Auto – as well as AAV particles with the SamuxMP.

MassGlass UC slides work out of the box without any prior treatment or conditioning, saving time and reducing variability across experiments. The user needs only to use the alignment tool to attach the sample well cassette to the slide, then place slide and cassette on the instrument and load the samples.



Fig. 1 MassGlass UC slides and 6-well cassettes from a sample prep kit. Compatible with the TwoMP and SamuxMP mass photometers, this product enables the analysis of both proteins and AAV samples.

Product specifications

Biomolecules targeted	Proteins, AAVs
Compatibility	TwoMP and SamuxMP product lines
Shelf life	3 months
Storage	Room temperature. Slides must be used within two weeks of opening
Mass range	TwoMP: 50 kDa* – 5 MDa SamuxMP: 500 kDa – 6 MDa

Caution: Both sides of MassGlass slides can be used for mass photometry. However, because of possible outgassing from the slide box, it is recommended to use the side facing away from the box for the top and bottom (outermost) slides.

Handling: Open and use MassGlass slides in a clean environment to avoid particle build-up on the surface. Avoid direct contact with the surface to minimize contamination and abrasion.

***Note:** To achieve optimal results and ensure reliable performance with samples below 50 kDa (TwoMP limit of detection is 30 kDa), we recommend cleaning the slides by hand. Get in touch with us to receive a detailed protocol.

Product variants and order information

Product code	Product name	Compatible instruments	Description
MP-CON-21022	MassGlass UC - Sample Prep Kit	TwoMP and SamuxMP	10x MassGlass UC slides, 10x 6 well cassettes for protein and AAV measurements and lens cleaning tissues
MP-CON-21023	MassGlass UC - Auto Sample Prep Kit	TwoMP Auto and Samux MP Auto	10x MassGlass UC slides, 10x 24 well cassettes for protein and AAV measurements and lens cleaning tissues

For more information, visit the [Refeyn website](https://www.refeyn.com) or send an inquiry to orders@refeyn.com

Related products

To facilitate cassette alignment onto the slide, Refeyn provides Mass Photometer - Alignment Kit (MP-CON-21019) for the TwoMP and SamuxMP and Mass Photometer Auto - Alignment Kit (MP-CON-21020). for the TwoMP Auto and SamuxMP Auto

