

ARI Gryphon Dispensers

Gryphon LCP
Crystal Gryphon
Crystal Gryphon LCP

The Gryphon is the industry leading family of dispensers designed specifically for protein crystallography. With unsurpassed reliability, performance and speed, the Gryphon is the ideal dispenser for all of your crystallization assays.

Why the Gryphon?

- Versatile and upgradeable. Add a nano or LCP dispenser at any point in the future.
- Set up LCP, sponge phase, bicelle, sitting drop, hanging drop and microbatch assays all on one compact system.
- A 96 LCP plate can be sealed in under 2 minutes; a vapor diffusion plate in under 1 minute.
- Dispense 96 buffers at once provides reproducible results due to minimal volatile buffer evaporation.
- One instrument to dispense buffers and protein with best in class precision, accuracy and reliability.
- No costly disposable tips.



Dispense Heads

The Gryphon is available with three types of dispense heads, each designed to provide unparalleled performance.

96 Channel Syringe Head

This head consists of 96 syringes with a maximum volume of 100 μ L for dispensing buffers and additives. Buffers can be aspirated directly from 2 ml blocks. Volumes can be dispensed accurately down to 100 nL with CVs < 5%. Resilient flexible needles bend and return to shape.

An optional 24 channel head is available for optimization assays.

Nano Protein Dispense Head

This head has been specifically designed to dispense protein samples. The wide bore nozzles resist clogging, and a precision glass syringe is used for accurate aspirations. A precision pressure system dispenses protein samples at 50 nl < 5% CVs.

The non-contact protein dispense head with on-the-fly dispensing provides speed with no cross contamination.

LCP Syringe Dispense Head

This head is used for LCP, sponge phase, bicelle and seeding assays. The syringe has been designed specifically to dispense viscous compounds like LCP and seed stock. The unique design of the syringe and needle allows the user to slide it into position so the needle is always aligned.

LCP can be dispensed at 25 nl with less than 5% CVs.

Gryphon LCP

The Gryphon LCP is the ideal system for setting up LCP, sponge phase, bicelle and seeding assays. LCP can be dispensed and mixed with the system. Consisting of a 96 channel syringe head for dispensing buffer solutions and a single channel LCP syringe dispense head, the system comes complete with a computer and easy to use drag and drop software.

By combining a 96 channel with a single channel dispense head, a 96 well assay can be dispensed and sealed in less than 2 minutes. This speed, which reduces evaporation, is essential in creating repeatable experiments.

The Gryphon LCP comes with an integrated mixing station. A unique LCP dispense syringe snaps into place and self-aligns eliminating the need for constant calibration.

The LCP dispense head can dispense LCP and bicelles down to 10 nl.

Crystal Gryphon LCP

The Crystal Gryphon LCP combines all of the features of the Gryphon LCP and the Crystal into the same compact and reliable system. Capable of doing LCP, sponge phase, bicelle, hanging drop, sitting drop, matrix seeding and micro batch set ups.

Crystal Gryphon

The Crystal Gryphon can be used to set up sitting drop, hanging drop and microbatch plates with volumes down to 50 nl. The system consists of a 96 channel syringe head for dispensing buffer solutions and a non-contact protein dispenser. The system comes complete with a computer and easy to use drag and drop software.

By combining a 96 channel head with a single channel protein dispense head, a 96 well plate can be set up and sealed in less than 1 minute. This assures evaporation will not effect your assays.

An optional 24 channel head is available for setting up optimization plates. By using this head with the INTELLI-PLATE® 24-4, you can set up 4 optimization assays with each buffer solution.

ORDER INFORMATION

620-1000-10	Crystal Gryphon, Desktop
620-1000-11	Crystal Gryphon, Laptop
620-1000-20	Crystal Gryphon LCP, Desktop
620-1000-21	Crystal Gryphon LCP, Laptop
620-3000-10	Gryphon LCP, Desktop
620-3000-11	Gryphon LCP, Laptop

SPECIFICATIONS

96 Head for Buffer Solutions	100 nl to 100 µL LCP Dispense Head: 25 nL to 2 µL
Protein Dispense Head	50 nL to 100 µL
Dispense Specs	CVs < 5%
Base	20(51)h x 23(59)w x 23(59)d in(cm) 68 lbs, 31 Kg
Wash	13(33)h x 6.5(17)w x 14(36)d in(cm) 5.5 lbs, 2.5 Kg
Protein Head	9.5(24)h x 6(15)w x 16(41)d in(cm) 18.5 lbs, 8.4 Kg
Base	120/240 Vac, 3 A, 50/60 Hz
Wash	120/240 Vac, 2 A, 50/60 Hz
Protein Head	120/240 Vac, 1.5 A, 50/60 Hz
Operating System	Windows 7 or XP

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