

Accessories for Liquid Handling Systems and “Intelli-Plates”

Brochure 2017

(For information on all ARI devices, please refer to separate Liquid Handling brochure)

“Phoenix”, “Gryphon”, “Cobra” and “Hydra” Replacement Parts

Art Robbins Instruments offers a complete line of **replacement syringes and syringe barrels** for your “Phoenix”, “Gryphon”, “Cobra” or “Hydra” instrument. Full syringes or barrels are available in all sizes (100 µl, 290 µl, 580 µl, or 1 ml) with either PTFE coated stainless steel or flexible Nitinol needles.

Replacement syringe = barrel, needle, plunger, PTFE tip
 Replacement barrel = barrel, needle, PTFE tip (no plunger)
 TCSS = PTFE coated stainless steel; flexible = Nitinol



Description	Replacement syringe	Replacement barrel
	Cat. No.	Cat. No.:
100 µl, TCSS	102-9440-01	102-9450-01
100 µl, flexible	102-9440-04	102-9450-04
290 µl, TCSS	102-9440-00	102-9450-00
290 µl, flexible	102-9440-05	102-9450-05
580 µl, TCSS	102-9470-00	102-9480-00
580 µl, flexible	102-9470-02	102-9480-02
1 ml, TCSS	102-9470-01	102-9480-01
1 ml, flexible	102-9470-03	102-9480-03
100 µl, TCSS (384)	102-9370-01	102-9380-01
100 µl, flexible (384)	102-9370-04	102-9380-04

Replacement **PTFE tips** are available to keep your syringes in proper condition for maximum efficiency.

Cat. No.	Description	Qty.
105-9010-11	50 µl	100
105-9220-01	100 µl	100
105-9230-01	290 µl	100
105-9240-01	580 µl	100
105-9250-01	1 ml	100
105-9320-01	100 µl (384)	400
105-9900-01	Plunger Tip Loading Tool	1

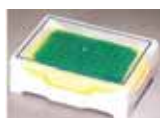
Cleaning wires are available to help maintain your syringes.

102-9490-00	For 290 µl, 580 µl and HLA syringes	10
102-9490-01	For all 100 µl and all flexible syringes	10

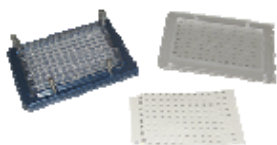
Replacement **Nano Needle** for “Phoenix” and “Gryphon” Nano Modules

600-3102-00	Nano Needle (new type)	1
600-3000-01	Nano Needle (old type)	1

Disposables for “Phoenix”, “Gryphon”, “Cobra” and “Hydra”



Chilling block



Hanging drop tool and seals

Description	Cat. No.	Qty.
600-4001-01	Chilling block (pink)	1
600-4001-02	Chilling block (yellow)	1
600-4002-00	Protein tubes, 0,2 ml	500/bag
600-4003-00	Wash reservoir	5/pack
600-4004-00	Hanging drop tool	1
600-4005-00	Smoked dispense plate	1
600-4006-00	Hanging drop seals	50/pack
600-4007-00	Zymit & EDTA Wash Solution Kit	1
600-3400-05	“Gryphon” Antimicrobial Tubing Kit	approx. 1 m
600-3400-06	“Phoenix” Antimicrobial Tubing Kit, for Head Pump	approx. 1 m
600-3400-07	“Phoenix” Antimicrobial Tubing Kit, for Nano Pump	approx. 1 m

“Intelli-Plates“ for protein crystallography applications

- Molecular structural analysis
- Three-dimensional structure of proteins
- Structure based drug research

96-well INTELLI-PLATE®

 <p>Catalog #: 102-0011-00 Original INTELLI-PLATE Well Volume: 4 µl and 10 µl Reservoir volume: 300 µl</p>	 <p>Catalog #: 102-0001-00 96-2 Low volume reservoir Well Volume: 4 µl and 10 µl Reservoir Volume: 100 µl</p>	 <p>Catalog #: 102-0001-10 96-2 Low profile Well Volume: 4 µl and 10 µl Reservoir Volume: 100 µl</p>			
 <p>Catalog #: 102-0001-03* 96-3 Low volume reservoir Well Volume: 1 µl Reservoir Volume: 100 µl</p>	 <p>Catalog #: 102-0001-13* 96-3 low profile INTELLI-PLATE Well Volume: 1 µl Reservoir Volume: 100 µl</p>	 <p>Catalog #: 102-0001-01 Flat bottom Well Volume: N/A Reservoir Volume: 300 µl</p>			
<p>UV Compatible Plates*</p> <p>102-0001-03 102-0001-13 102-0001-20 102-0001-21</p>			 <p>Catalog #: 102-0001-20* 96-2 Shallow well Well Volume: 2 µl Reservoir Volume: 100 µl</p>	 <p>Catalog #: 102-0001-21* 96-2 Shallow well low profile Well Volume: 2 µl Reservoir Volume: 100 µl</p>	
<p>24-well INTELLI-PLATE® 48-well INTELLI-PLATE®</p>			 <p>Catalog #: 102-0004-00 24-4 Well Volume: 5 µl Reservoir Volume: 650 µl</p>	 <p>Catalog #: 102-0003-00 48-3 Screening Well Volume: 4 µl Reservoir Volume: 500 µl</p>	 <p>Catalog #: 102-0002-00 48-2 Optimization Well Volume: 4 µl and 20 µl Reservoir Volume: 500 µl</p>

- **96-well “Intelli-Plate” (8 versions):**
 - two crystallization wells (max. 4 µl and 10 µl) and optionally 100 µl or 300 µl reservoir
 - three crystallization wells (1 µl) and 100 µl reservoir
 - low profile and shallow well plates, now UV-compatible
 - highly polished, flat crystallization area and 300 µl reservoir
- **48-well “Intelli-Plate” (2 versions):**
 - for optimization with two wells (4 µl and 20 µl) and 500 µl reservoir
 - for screening with three wells (4 µl) and 500 µl reservoir
- **24-well “Intelli-Plate”:**
 - for “sitting drop”, with four wells (5 µl) and 650 µl reservoir
- All plates available with barcode
- Standard SBS microplate footprint



“Intelli-Plates” Information

Cat. No.	Description	Qty.
102-0011-00	96-well Original “Intelli-Plate”, PS, Reservoir 300 µl, 2 Protein Wells max. 10 µl and 4 µl	12 x 10
102-0011-00S	dto., small pack	1 x 10
102-0011-00B	dto., bulk pack	120 x 10
102-0001-00	96-well “Intelli-Plate”, LBR, Reservoir 100 µl, 2 Protein Wells max. 10 µl and 4 µl	12 x 10
102-0001-00S	dto., small pack	1 x 10
102-0001-00B	dto., bulk pack	120 x 10
102-0001-10	96-well “Intelli-Plate”, Low Profile , LBR, Reservoir 100 µl, 2 Wells max. 10 µl and 4 µl	6 x 20
102-0001-10S	dto., small pack	1 x 20
102-0001-10B	dto., bulk pack	60 x 20
102-0001-03	96-well “Intelli-Plate”, LBR, Reservoir 100 µl, 3 Wells à 1 µl, <u>UV compatible</u>	12 x 10
102-0001-03S	dto., small pack	1 x 10
102-0001-03B	dto., bulk pack	120 x 10
102-0001-13	96-well “Intelli-Plate”, Low Profile , LBR, Reservoir 100 µl, 3 Wells à 1 µl, <u>UV compatible</u>	6 x 20
102-0001-13S	dto., small pack	1 x 20
102-0001-13B	dto., bulk pack	60 x 20
102-0001-01	96-well “Intelli-Plate”, PS, Reservoir 300 µl, with shelf	12 x 10
102-0001-01S	dto., small pack	1 x 10
102-0001-01B	dto., bulk pack	120 x 10
102-0004-00	24-well “Intelli-Plate”, LBR, Reservoir 650 µl, 4 Wells à 5µl	12 x 10
102-0004-00S	dto., small pack	1 x 10
102-0004-00B	dto., bulk pack	120 x 10
102-0002-00	48-well “Intelli-Plate” for optimization, PS, Reservoir 500 µl, 2 Wells à 4 µl and 20 µl	12 x 10
102-0002-00S	dto., small pack	1 x 10
102-0002-00B	dto., bulk pack	120 x 10
102-0003-00	48-well “Intelli-Plate” for screening, PS, Reservoir 500 µl, 3 Wells à 4 µl	12 x 10
102-0003-00S	dto., small pack	1 x 10
102-0003-00B	dto., bulk pack	120 x 10
102-0001-20	96-Well “Intelli-Plate”, 2 Shallow Wells à 2 µl, Reservoir 100 µl, LBR, <u>UV compatible</u>	12 x 10
102-0001-20S	dto., small pack	1 x 10
102-0001-20B	dto., bulk pack	120 x 10
102-0001-21	96-Well “Intelli-Plate”, Low Profile 2 Shallow Wells à 2 µl, Reservoir 100 µl, LBR, <u>UV compatible</u>	6 x 20
102-0001-21S	dto., small pack	1 x 20
102-0001-21B	dto., bulk pack	60 x 20
****-****-**B-BC	All versions of the 96-well “Intelli-Plate” with bar code (except low profile plates)	240 plates
****-****-**B-BC	All low profile versions of the 96-well “Intelli-Plate” with bar code	500 plates
600-4006-00	Hanging drop seals	50
600-4004-00	Hanging drop alignment tool	1

“Cobra”-Accessories





Cat. No.	Description
630-1100-01	Tube Rack for 1.5 ml and 2.0 ml
630-1101-01	Replacement Tubing Kit, Cobra 4-Channel
600-3105-10	Bottle with Harness Assembly and Tubing
600-3102-03	Replacement Cobra Nozzle Assembly

“Scorpion” Accessories

Cat. No.	Description	Qty.
640-1099-01	Tube Rack Inserts for 1,5 ml and 2,0 ml tubes (4 pieces)	1
640-1200-01	15 ml Tube Rack (for up to 24 x 15 ml tubes)	1
640-1200-02	50 ml Tube Rack (for up to 8 x 50 ml tubes)	1
640-1201-01	Pipette Tip Rack	1
640-1202-01	100 µl Syringe	1
640-1202-02	1 ml Syringe	1
640-1205-01	Scorpion Plate Adapter-Linbro	1
640-1206-01	Scorpion Low Volume Dispense Platform	1
640-1500-01	Scorpion MicroFISH Slide Holder	1
640-1501-01	Scorpion MicroFISH Probe Rack	1
640-1502-01	Scorpion MicroFISH Patient Sample Rack	1
640-1203-01	Scorpion Tubing with Ferrules	1
640-1204-01	Scorpion Deck Magnet Kit (1 red, 1 black)	1
640-1301-00	1000 µl Pipette Tips with filter (sterile)	1.536 tips
640-1301-01	200 µl Pipette Tips with filter (sterile)	2.304 tips
640-1300-00	1000 µl Pipette Tips (non sterile)	1.536 tips
640-1300-01	200 µl Pipette Tips (non sterile)	2.304 tips
640-1300-02	50 µl Pipette Tips (non sterile)	2.304 tips
640-1300-03	20 µl Pipette Tips (non sterile)	2.304 tips

Components for Lipidic Cubic Phase

ARI offers quality **LCP syringes** and replacement parts that can be used in combination with the “**Gryphon**” LCP dispenser module and the **LCP Hand Held Dispenser**

	Cat. No.	Description	Qty.
 LCP Syringe	620-1005-02	LCP Syringe 50 µl, graduated	1
	620-1005-03	LCP Syringe, 100 µl, graduated	1
	620-4101-00	LCP Syringe Assembly 10 µl (no needle) (for LCP Hand Held Multi Volume Dispenser)	1
	620-4102-00	Replacement needles for 10 µl Syringe (for LCP Hand Held Multi Volume Dispenser)	3
 LCP Coupling and Ferrule	620-1100-01	Replacement Needles Mix for LCP syringes, short	3
	620-1100-02	Replacement Needles Mix for LCP syringes, long	3
 LCP Coupling	620-1200-01	LCP Coupling and Ferrule Mix (ARI-ARI syringe)	1
	620-1200-02	LCP Coupling and Ferrule Mix (ARI-Hamilton syringe)	1
	620-1200-03	LCP Coupling and Ferrule Mix (Hamilton-Hamilton syringe)	1
	620-1300-01	ARI-Syringe Ferrule Assay with Coupling	1
	620-1300-02	ARI-Hamilton Syringe Ferrule Assay with Coupling	1
 LCP Chiller Sleeve	620-1300-03	Hamilton-Hamilton Syringe Ferrule Assay with Coupling	1
	620-1500-01	Replacement Plunger Rod with tip, 100 µl, LCP	3
	620-1500-02	Replacement Plunger Rod with tip, 50 µl, LCP	3
	620-1600-01	Replacement LCP Syringe Ferrule Nut	3
	620-1700-01	Replacement LCP Plunger Tip, 100 µl, PTFE	6
	620-1700-02	Replacement LCP Plunger Tip, 50 µl, PTFE	6
	620-1800-00	Gryphon LCP Tube Rack	1
	620-1900-00	LCP Chiller Sleeve	1