



Streamline Cell and General Separations

ALLEGRA® X-12 SERIES

BENCHTOP CENTRIFUGES

New



Streamline Separations • Save

Whether harvesting cells, separating blood components or other general separations – you can simplify your processes and save time with the Allegra® X-12 Series Benchtop Centrifuges. Offering a maximum capacity of 4 x 750 mL, these centrifuges specialize in streamlining cell and general separations.

ELIMINATE STEPS IN YOUR CULTURING PROCESS WITH EXCLUSIVE CELL CULTURE FLASK ADAPTERS*

By direct centrifugation of cell culture flasks, Allegra X-12 Series centrifuges eliminate the entire transfer step to and from conical tubes for cell separation:

- *Saving Transfer Time and Labor*
- *Eliminating the use of 15 mL or 50 mL Conical Tubes*
- *Reducing a Potential Contamination Step*

For more information on cell culture flask adapters, request AIB# A-1974A.

AUTOMATICALLY CORRECT IMBALANCE WITH ARIES™ SMART BALANCE SYSTEM

Exclusive ARIES 4 x 750 mL Self-Balancing Rotor:

- *Automatically Corrects for up to 50 Grams of Imbalance in Opposing Loads – and Continues the Run Without Shutdown*
- *"Eye Balance" Samples Instead of Weighing – Saving Valuable Time*



ENHANCE EASE-OF-USE WITH FEATURES NOT TYPICALLY FOUND IN BENCH CENTRIFUGES

- *Numerical Key Pad for Easy & Quick Value Entry*
- *Control Temperature for up to 10 Minutes After the Rotor has Stopped, for Walk-Away Flexibility*
- *Automatic Initial "Soft Start" to Ensure Sample Integrity*



FURTHER INCREASE CONVENIENCE WITH ...

- *10 User-Defined Programs*
- *10 Independent Acceleration/11 Independent Deceleration Profiles*
- *The Ability to Set by RPM, RCF and Toggle Between Display Modes*
- *Time Options: Set, Hold or Pulse (for Short Runs)*
- *Automatic Rotor Identification*
- *Audible End-of-Run Tone*

OPTIMIZE THE USE OF POPULAR LABWARE FOR CELL AND GENERAL SEPARATIONS

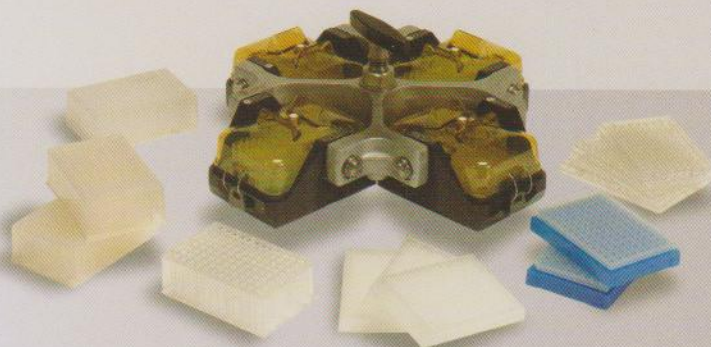
4 x 750 mL Swinging Bucket Rotors
(Standard & ARIES Self-Balancing) – 3,750 RPM; 3,270 x g

Adapters to Accommodate:

- *Corning** 75 cm² and 25 cm² Canted-Neck Cell Culture Flasks*
- *750 mL Flat-Bottom, 500 mL (Conical & Flat-Bottom) and 250 mL (Conical & Flat-Bottom) Bottles*
- *15 mL (Conical & Round) Tubes*
- *50 mL (Conical & Round) Tubes*
- *Blood Bags*
- *Vacutainer Tubes (3 mL, 5 mL, 7 mL and 10 mL)*
- *1.5 mL Tubes*
- *And More*



Save Time • Boost Convenience



BIOCONTAINMENT – VARIETY OF OPTIONS – EACH INDEPENDENTLY CERTIFIED BY CAMR, PORTON DOWN, UK

- Bio-Certified⁺ Covers for Round Buckets on 4 x 750 mL Standard and ARIES Rotors
 - Accommodate Specified Labware in Both Versions
- Exclusive Bio-Certified⁺ Aerosolve™ Canisters
 - Clear Plastic for Viewing from Top and Bottom
 - Compatible with 4 x 750 mL Standard and ARIES Rotors
- Bio-Certified⁺ 6 x 100 mL Fixed Angle Rotor

POPULAR 96-WELL LABWARE FOR CELLULAR ASSAYS AND QUICK MICROPLATE SPINS

Optional Microplate Carrier for Standard 4 x 750 mL Rotor (SX4750)

- 12 Standard Microplates, 4 Deep-Well/Square-Well Plates, 4 of 96-Tube Racks
- 3,750 RPM, 2,890 x g

CONTINUE THE SIMPLICITY IN DOWN STREAM APPLICATIONS

6 x 100 mL Fixed Angle Rotor – 10,200 RPM; 11,400 x g

- Further Isolate Biomolecules
- Clearing of Media, Cell Debris, Lysate, Tissue Homogenates
- 100 mL, 94 mL, 85 mL Bottles
- 50 mL & 15 mL (Conical & Round) Tubes
- Centrifugal Filter Devices
- 1.5 mL Tubes
- And More



AVAILABLE IN BOTH REFRIGERATED (ALLEGRA X-12R) AND CONSTANT CONTROLLED TEMPERATURE (ALLEGRA X-12) VERSIONS.

The Allegra X-12R Refrigerated Centrifuge allows selection of temperature within the range of -10°C to 40°C.

The Allegra X-12 Constant Controlled Temperature Centrifuge is preset to 20°C and automatically controls temperature within the range of 18°C to 22°C. Versus a traditional "non-refrigerated" centrifuge, you can be assured your sample will run no lower than 18°C and no higher than 22°C.

SPECIFICATIONS

	ALLEGRA® X-12R	ALLEGRA® X-12
Refrigeration	Yes, CFC-Free	Constant Controlled Temperature
Maximum Speed	10,200 rpm (Fixed-angle)	10,200 rpm (Fixed-angle)
Maximum g-Force	11,400 x g (Fixed-angle)	11,400 x g (Fixed-angle)
Maximum Capacity	4 x 750 mL	4 x 750 mL
Run Time	Timed (Up to 9 hours, 59 min) Hold, Pulse (Short Run)	Timed (Up to 9 hours, 59 min) Hold, Pulse (Short Run)
Drive	Brushless Induction	Brushless Induction
Noise at Max Speed	≤68 dBa	≤68 dBa
User-Defined Programs	10	10
Accel/Decel Profiles	10/11	10/11
Temperature Range	-10°C to +40°C (selectable)	+18°C to +22°C (preset)
Dimensions (cm)	76.2W x 62.2D x 34.3H	76.2W x 62.2D x 34.3H
Dimensions (in)	30W x 24.5D x 13.5H	30W x 24.5D x 13.5H
Weight without Rotor	121 kg (267 lbs)	121 kg (267 lbs)

ORDERING INFORMATION

PART NO.	DESCRIPTION	MAX. SPEED (rpm)	MAX. RCF, g
392302	Allegra X-12R Centrifuge, 208V	SWINGING BUCKET/FIXED ANGLE 3,750 / 10,200	SWINGING BUCKET/FIXED ANGLE 3,270 / 11,400
392304	Allegra X-12R Centrifuge, 230V	3,750 / 10,200	3,270 / 11,400
392303	Allegra X-12R Centrifuge, 200V	3,750 / 10,200	3,270 / 11,400
392472	Allegra X-12 Centrifuge, 208V	3,750 / 10,200	3,270 / 11,400
392474	Allegra X-12 Centrifuge, 230V	3,750 / 10,200	3,270 / 11,400
392473	Allegra X-12 Centrifuge, 200V	3,750 / 10,200	3,270 / 11,400
SWINGING BUCKET ROTORS			
369702	4x750 mL Swinging Bucket Rotor Assembly w/o Bucket Covers (SX4750)	3,750	3,270
369704	4x750 mL ARIES Self-Balancing Swinging Bucket Rotor Assembly w/o Bucket Covers (SX4750A)	3,750	3,270
Biosafety 392805	Bio-Certified† Covers for SX4750 and SX4750A Tube-and-Bottle Buckets (Set of 2)		
392806	Microplate Carriers for SX4750 Rotor (SX4750μ)(Set of 2)	3,750	2,890
392807	Covers for SX4750μ Microplate Carriers (Set of 2)		
392873	Replacement Carriages for SX4750μ Microplate Carriers, Includes Rubber Pads (Set of 2)		
FIXED ANGLE ROTOR			
Biosafety 369735	Bio-Certified† 6x100L Fixed Angle Rotor (FX6100)	10,200	11,400

PART NO.	VOLUME	DIAMETER (mm)	COLOR	BUCKET CAPACITY	ROTOR CAPACITY	PACK OF
ADAPTERS FOR DIRECT CENTRIFUGATION OF CELL CULTURE FLASKS (SX4750 & SX4750A)						
369292	Corning 75-cm ² Canted-Neck Cell Culture Flasks	NA	Orange	1	4	2
369295	Corning 25-cm ² Canted-Neck Cell Culture Flasks	NA	Green	2	8	2
MODULAR DISK ADAPTERS FOR TUBES (SX4750 & SX4750A)						
359469 & 359148	3 mL & 5 mL	10 & 12	Blue	37	148	2 & 4
343108	Tube Decanter for PN 359469 & 359148	NA	NA	NA	NA	Each
354511	1.5 mL Adapter Plate for PN 359469 & 359148	NA	NA	NA	NA	Each
359478 & 359157	3 mL & 5 mL	13	Tan	30	120	2 & 4
359470 & 359149	7 & 10 mL	14	Orange	24	96	2 & 4
359471 & 359150	12 mL	16	Purple	19	76	2 & 4
359472 & 359151	15 mL Conical	18	Green	14	56	2 & 4
359473 & 359152	15 mL & 20 mL Round	18	Green	14	56	2 & 4
359475 & 359154	30 mL & 50 mL Conical	30	Light Green	4	20	2 & 4
359474 & 359153	50 mL Round	29	Yellow	7	28	2 & 4
359476 & 359155	50 mL Round	35	Dark Blue	4	16	2 & 4
359477 & 359156	100 mL	44	Brown	2	8	2 & 4
ADAPTERS FOR BOTTLES & BLOOD BAGS (SX4750 & SX4750A)						
356983	230 mL Conical (Insert for Use with 349946)	62	Orange	1	4	Each
349946	250 mL Flat Bottom	62	Yellow	1	4	Each
349849	250 mL Conical	62	Warm Red	1	4	Each
349945	500 mL Flat Bottom	70	Tan	1	4	Each
349945	500 mL Conical (with Corning Adapter)	70	Tan	1	4	Each
349846	750 mL Flat Bottom	96	Blue	1	4	Each
356856	Single or Double Pack Blood Bag	NA	Yellow	1	4	Each
356857	Triple or Quad Pack Blood Bag	NA	Orange	1	4	Each
BIO-CERTIFIED† AEROSOLVE CANISTERS AND TUBE RACKS (SX4750 & SX4750A)						
Biosafety 359481 & 359232	Bio-Certified† Aerosolve Canisters	NA	NA	NA	NA	2 & 4
354495	1.5 mL	11	White	24	96	Each
359160 & 359482	3 & 5 mL	12	Blue	24	96	2 & 4
358993 & 359489	5 mL	13	Tan	24	96	2 & 4
359161 & 359483	10 mL	14	Orange	18	72	2 & 4
359162 & 359484	12 mL, 3 & 5 mL	16, 12	Purple	12, 6	48, 24	2 & 4
344517	15 mL Round	14	White	10	40	Each
359163 & 359485	15 & 20 mL Round, 3 & 5 mL	18, 12	Green	12, 6	48, 24	2 & 4
358991 & 359487	15 mL Conical, 3 & 5 mL	17, 12	Light Green	6, 6	24, 24	2 & 4
359164 & 359486	50 mL Round, 3 & 5 mL	29, 12	Yellow	4, 4	16, 16	2 & 4
358992 & 359488	50 mL Conical, 3 & 5 mL	30, 12	Lime Green	4, 4	16, 16	2 & 4
356985	230 mL Conical	62	Orange	1	4	2
ADAPTERS FOR TUBES (FX6100)						
344497	1.5/2.0 mL (must be inserted into PN 392830)	NA	NA	NA	6	6
392824	10 mL Round	16	NA	NA	6	6
392823	15 mL Round	18	NA	NA	6	6
392270	15 mL Conical	17	NA	NA	6	6
392822	30 mL Round	25, 7/25	NA	NA	6	6
392821	35 mL Round	29	NA	NA	6	6
392830	50 mL Round	29	NA	NA	6	6
392268	50 mL Conical	28.5/29	NA	NA	6	6

Accommodates 100 mL, 94 mL & 85 mL tubes without adapters, directly in rotor cavity.

* Patent Pending.

** Corning is a trademark of Corning Incorporated.

† Validation of microbiological containment was done at an independent, third-party facility (CAMR, Porton Down, UK or USAMRIID, Ft. Detrick, MD, USA). Improper use or maintenance may affect seal integrity and, thus, containment.

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