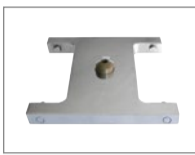


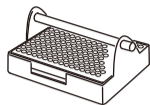
Rotors & Accessories Selection Guide

Swing Out Rotors for AX-521 / 511 / 501

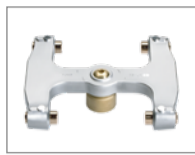


TS-4C [Click Here](#)
1,800rpm : 510G

– Bucket –



S4096-02



TS-41C [Click Here](#)

4,400rpm : 3,010G(AX-521/511)
3,600rpm : 2,010G(AX-501)

Bucket

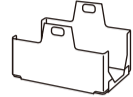


B241

Cover



Adapter



AS41-96D

* Bucket, Adapter and Cover are included.



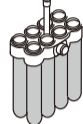
TS-7C [Click Here](#)
5,000rpm : 4,670G

■ Main Bucket and Rack

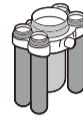
– Bucket –



7150-01



7115-08

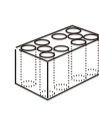


7M5015-1*1

– Bucket and Rack –



B407



0705-FA10P

* 1 Not compatible with the AX-501



TS-33C [Click Here](#)

4,800rpm : 4,350G(AX-521/511)
4,100rpm : 3,180G(AX-501)

■ Main Bucket and Rack

– Bucket –



B433

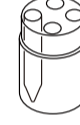
– Rack –



3314-04P



3350-G01P



3315-TC04P



3315-G07P



* B433 bucket becomes a sealed bucket by using [Bucket cap kit B433].



CS-1 [Click Here](#)

10,000rpm : 8,830G

– Bucket –



M0415-04



M0406-05



M0404-09

* Bucket is not included (The photo show a rotor with a bucket model M0415-04 installed.)

Swing Out Rotors for AX-521

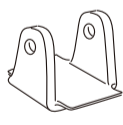


TS-37C [Click Here](#)

3,200rpm : 2,100G

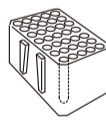
■ Main Bucket and Rack

– Bucket –

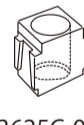


B437

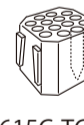
– Rack –



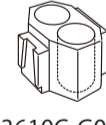
3606C-35P



3625C-01P



3615C-TC14P



3610C-G02P

Swing Out Rotors for AX-521 / 511



TS-38C [Click Here](#)

4,200rpm : 3,650G

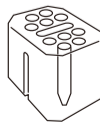
■ Main Bucket and Rack

– Bucket –

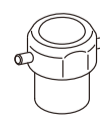


B438

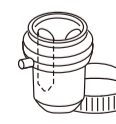
– Rack –



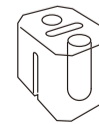
3815-10P



B438-29



B438-5002BH

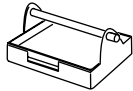


3850-02P

* The above specifications show Max. speed, Max. RCF, and Max. capacity. These values may change according to combination of centrifuge, rotor, bucket, adapter, and tube.
HS B433 bucket using [Bucket cap kit B433], which has been tested and certified by the Health Protection Agency (HPA, UK) to be compliant with the International Standard (Annex AA of the IEC 61010-2-020), meets requirements for biohazard safety.

TS-4C

Applicable model	AX-521 / AX-511 / AX-501
Rotor capacity	2 buckets

Bucket	Bucket capacity	Max. Speed [rpm]	Max. RCF [G]	Rotating radius [mm]	
				Rmax	Rmin
Load dimensions (L×D×H) up to 128.5×86×32 mm  S4096-02	Microplate×2	1,800	510	142	—

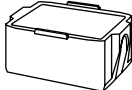

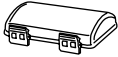
Applicable Tube to TS-4C

Bucket	Adapter	Tube						BART Code	Actual Capacity [ml]	Max. Number × Places	Allowable Speed [rpm]	Max. RCF [G] (Radius [mm])	Remarks
		Nominal Capacity [ml]	Mfr abbr.	Model name (Material)	Bottom Shape	Tube Dimension (φ × L [mm])	Allowable RCF [G]						
S4096-02	—	—	—	Microplate	—	—	—	1	—	2×2	—	—	* 1

* 1 Prior to centrifugation, check the durability of plates in use.

TS-41C

Applicable model	A) AX-521
	B) AX-511
	C) AX-501
Rotor capacity	2 buckets

Bucket / Adapter	Bucket capacity	Max. Speed [rpm] *1	Max. RCF [G] *1	Rotating radius [mm]	
				Rmax	Rmin
Deepwell plate Load dimensions (L×D×H) up to 128.5×86×80 mm *2 Micro plate Load dimensions (L×D×H) up to 128.5×86×58 mm  Bucket B241  Adapter AS41-96D  Cover	Deepwell plate × 1	A) 4,400 B) 4,400 C) 3,600	A) 3,010 B) 3,010 C) 2,010	139	—
	Micro plate × 4				

*1 Maximum allowable speeds and maximum RCFs listed are respectively different for each applicable model.

*2 When centrifuging without covers, it accepts up to 2×2 deepwell plates and load dimensions (L×D×H) of 128.5×86×90mm.













Applicable Tube to TS-41C

Bucket	Adapter	Tube						BART Code	Actual Capacity [ml]	Max. Number × Places	Allowable Speed [rpm]	Max. RCF [G] (Radius [mm])	Remarks
		Nominal Capacity [ml]	Mfr abbr.	Model name (Material)	Bottom Shape	Tube Dimension (φ × L [mm])	Allowable RCF [G]						
B241	AS41-96D	—		Deepwell plate	—	—	—	1	—	1×2 deepwell plate	—	—	*3,*4
		—		Plate with filter	—	—	—	1	—	1×2 plates with filter	—	—	*3
		—		Microplate	—	—	—	1	—	4×2 micro plates	—	—	*3

*3 Prior to centrifugation, check the durability of plates in use.

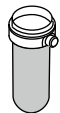
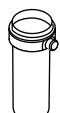

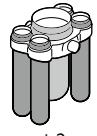

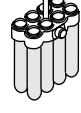
*4 When centrifuging without covers, it accepts up to 2×2 deepwell plates.

Applicable model	AX-521 / AX-511 / AX-501
Rotor capacity	4 buckets

Bucket capacity/ Bucket	Rack capacity/ Rack	Max. Speed [rpm]	Max. RCF [G]	Rotating radius [mm]	
				Rmax	Rmin
50 ml × 1 7050-01 *1 	—	4,000	2,810	157	85
50 ml × 1 7150-01 *2 	—	5,000	4,670	167	74
50 ml × 2 7050-02 *1 	—	3,500	2,150	157	85
50 ml × 1 	—	3,500	2,160	158	70
15 ml × 4 7M5015-1 *3 *4	—	3,500	2,370	173	78
15 ml × 8 7115-08 *4 *5 	—	3,500	2,380	174	79
15 ml × 8 7015-08 *6 	—	3,500	2,190	160	85
15 ml × 6 7215-06 *7 	—	3,600	2,430	168	78
15 ml × 6 7015-06 *6 	—	3,600	2,320	160	85
B407 	5 ml × 10 Veno-Ject II Tube 0705-10P 	3,100	1,670	155	115
	5 ml × 10 0705-FA10P 	3,100	1,670	155	115
SC-2  Collection bucket of floating cells	—	1,600	420	145	—

- *1 Aluminum sleeve
- *2 Stainless steel sleeve
- *3 Aluminum sleeve(silver and gold)
- *4 Not compatible with the AX-501
- *5 Aluminum sleeve(gold)
- *6 Aluminum sleeve(silver)
- *7 Aluminum sleeve(blue)

Applicable Tube to TS-7C ①

Bucket	Adapter	Tube						BART Code	Actual Capacity [ml]	Max. Number × Places	Allowable Speed [rpm]	Max. RCF [G] (Radius [mm])	Remarks
		Nominal Capacity [ml]	Mfr abbr.	Model name (Material)	Bottom Shape	Tube Dimension (φ × L [mm])	Allowable RCF [G]						
7050-01 	Adapter	50ml	NEG	(G)	R	φ 35 × 100	—	3	50	1 × 4	4,000	2,810(157)	* 1
		50ml	FLC	352070 (PP)	C	φ 30 × 115	9,400						
			COR	430291 (PP)	C	φ 29 × 116	15,500						
				430304 (PET)	C	φ 29 × 116	3,600						
	A1500-04	15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105	—		15	1 × 4			
7150-01 	Adapter	50ml	NEG	(G)	R	φ 35 × 100	—	2	50	1 × 4	5,000	4,670(167)	* 1
		50ml	COR	430304 (PET)	C	φ 29 × 116	3,600						
			FLC	352070 (PP)	C	φ 30 × 115	9,400						
			COR	430291 (PP)	C	φ 29 × 116	15,500						
	A1500-04	15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105	—		15	1 × 4	5,000	4,670(167)	
7050-02 	Adapter	50ml	NEG	(G)	R	φ 35 × 100	—	1	50	2 × 4	3,500	2,150(157)	* 1
		50ml	FLC	352070 (PP)	C	φ 30 × 115	9,400						
			COR	430291 (PP)	C	φ 29 × 116	15,500						
				430304 (PET)	C	φ 29 × 116	3,600						
	A1500-04	15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105	—		15	2 × 4			
7M5015-1  * 2	Adapter	50ml	NEG	(G)	R	φ 35 × 100	—	d	50	1 × 4	3,500	2,150(157)	* 1
		50ml	FLC	352070 (PP)	C	φ 30 × 115	9,400						
			COR	430291 (PP)	C	φ 29 × 116	15,500						
				430304 (PET)	C	φ 29 × 116	3,600						
	A1500-04	15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105	—		15	1 × 4	3,500	2,160(158)	
	15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105	—	15		1 × 4	3,500	2,340(171)		
		COR	430053 (PET)	C	φ 16 × 120	3,600	15		4 × 4	3,500	2,370(173)		
			430766 (PP)	C	φ 16 × 120	12,000							
			430791 (PP)	C	φ 16 × 120	12,000							
		FLC	352196 (PP)	C	φ 17 × 120	6,000				3,000	1,740(173)		
352095 (PS)			C	φ 17 × 120	1,800								
7115-08 	Adapter	15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105		—		4	15	8 × 4	3,500
		15ml	COR	430053 (PET)	C	φ 16 × 120	3,600						
	COR		430766 (PP)	C	φ 16 × 120	12,000							
			430791 (PP)	C	φ 16 × 120	12,000							
	FLC	352196 (PP)	C	φ 17 × 120	6,000								
A1500-04	15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105	—	3,000	1,750(174)					
7015-08 	Adapter	15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105	—	5	15	8 × 4	3,500	2,190(160)	* 3
		15ml	COR	430053 (PET)	C	φ 16 × 120	3,600						
			COR	430766 (PP)	C	φ 16 × 120	12,000						
				430791 (PP)	C	φ 16 × 120	12,000						
			FLC	352196 (PP)	C	φ 17 × 120	6,000						
	A1500-04	15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105	—				3,100	1,720(160)	

* 1 Contact TOMY for more information.

* 2 Not compatible with the AX-501












* 3 Only four holes of the center of the bucket can be used.

Applicable Tube to TS-7C ②

Bucket	Rack	Tube						BART Code	Actual Capacity [ml]	Max. Number × Places	Allowable Speed [rpm]	Max. RCF [G] (Radius [mm])	Remarks				
		Nominal Capacity [ml]	Mfr abbr.	Model name (Material)	Bottom Shape	Tube Dimension (φ × L [mm])	Allowable RCF [G]										
 7215-06	 15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105	—	6	15	6 × 4	3,600	2,430(168)						
													COR	430053 (PET)	C	φ 16 × 120	3,600
														430766 (PP)	C	φ 16 × 120	12,000
		FLC	430791 (PP)	C	φ 16 × 120	12,000											
			352196 (PP)	C	φ 17 × 120	6,000											
			352095 (PS)	C	φ 17 × 120	1,800											
 7015-06	 15ml	NEG	P-16.5S (G)	R	φ 16.5 × 105	—	7	15	6 × 4	3,600	2,320(160)	* 1					
													COR	430053 (PET)	C	φ 16 × 120	3,600
														430766 (PP)	C	φ 16 × 120	12,000
		FLC	430791 (PP)	C	φ 16 × 120	12,000											
			352196 (PP)	C	φ 17 × 120	6,000											
			352095 (PS)	C	φ 17 × 120	1,800											
 B407	 0705-10P	 5ml	TER	Veno-Ject II Tube (PET)	R	φ 13.2 × 80.3	3,000	8	5	10 × 4	3,100	1,670(155)					
														 0705-FA10P	 5ml	FLC	352052 (PS)
	352008 (PS)	R	φ 12 × 75	1,400													
	352058 (PS)	R	φ 12 × 75	1,400													
	352235 (PS)	R	φ 12 × 75	1,400													
	352002 (PP)	R	φ 12 × 75	3,000													
	352053 (PP)	R	φ 12 × 75	3,000													
	352063 (PP)	R	φ 12 × 75	3,000													
	 SC-2 Collection bucket of floating cells	8ml	—	—	—	—	—	b	8	1 × 4	1,600	420(145)					


* 1 Only four holes of the center of the bucket can be used.

Applicable model	A) AX-521
	B) AX-511
	C) AX-501
Rotor capacity	4 buckets

Bucket capacity/ Bucket	Rack capacity/ Rack	Max. Speed [rpm] *1	Max. RCF [G] *1	Rotating radius [mm]	
				Rmax	Rmin
B433 250 ml ×1 	—	A) 4,800 B) 4,800 C) 4,100	A) 4,350 B) 4,350 C) 3,180	169	82
	50 ml Conical Tube ×1 3350-TC01P 	A) 4,800 B) 4,800 C) 4,100	A) 4,300 B) 4,300 C) 3,140	167	74
	50 ml ×1 3350-G01P 	A) 4,800 B) 4,800 C) 4,100	A) 4,150 B) 4,150 C) 3,030	161	74
	15 ml Conical Tube ×4 3315-TC04P 	A) 4,800 B) 4,800 C) 4,100	A) 4,300 B) 4,300 C) 3,140	167	74
	15 ml ×7 PAXgene Blood RNA Tube 3315-G07P 	A) 4,800 B) 4,800 C) 4,100	A) 4,150 B) 4,150 C) 3,030	161	78
	14 ml ×4 3314-04P 	A) 4,000 B) 4,000 C) 4,000	A) 2,990 B) 2,990 C) 2,990	167	105
	7 ml ×7 Veno-Ject II Tube 3307-07P 	A) 4,100 B) 4,100 C) 4,100	A) 2,990 B) 2,990 C) 2,990	159	85
	5 ml ×7 Veno-Ject II Tube 3305-07P 	A) 4,100 B) 4,200 C) 4,200	A) 2,760 B) 2,900 C) 2,900	147	91
Bucket cap kit B433 *2 	Component CAP433-1 GASKET  	—			

* 1 Maximum allowable speeds and maximum RCFs listed are respectively different for each applicable model.

* 2 B433 bucket becomes a sealed bucket by using [Bucket cap kit B433].

 B433 bucket using [Bucket cap kit B433], which has been tested and certified by the Health Protection Agency (HPA, UK) to be compliant with the International Standard (Annex AA of the IEC 61010-2-020), meets requirements for biohazard safety.

Applicable Tube to TS-33C

Bucket	Adapter	Tube						BART Code	Actual Capacity [ml]	Max. Number × Places	Allowable Speed [rpm] * 1	Max. RCF [G] (Radius [mm]) * 1	Remarks
		Nominal Capacity [ml]	Mfr abbr.	Model name (Material)	Bottom Shape	Tube Dimension (φ × L [mm])	Allowable RCF [G]						
	-	 250ml	NAL	3120-0250 (PPCO)	F	φ61.8×127.7	13,200	1	250	1×4	A)4,800 B)4,800 C)4,100	A)4,350 B)4,350(169) C)3,180	
				3121-0250 (HDPE)	F	φ61.2×131.9	8,000						
				3122-0250 (PC)	F	φ61.8×127.6	27,500						
				3127-0250 (FEP)	F	φ60.0×128.8	4,000						
	 Adapter	 225ml	FLC	352075 (PP)	C	φ61×137	7,500	1	225	1×4	A)4,800 B)4,800 C)4,100	A)4,350 B)4,350(169) C)3,180	
				 175ml	FLC	352076 (PP)	C						
	 3350-TC01P	 50ml	COR	430291 (PP)	C	φ29×116	15,500	2	50	1×4	A)4,800 B)4,800 C)4,100	A)4,300 B)4,300(167) C)3,140	
				430304 (PET)	C	φ29×116	3,600						
				430829 (PP)	C	φ29×116	15,500						
	 3350-G01P	 50ml	NEG	(G)	R	φ35×100	-	3	50	1×4	A)4,800 B)4,800 C)4,100	A)4,150 B)4,150(161) C)3,030	
	 3315-TC04P	 15ml	COR	430053 (PET)	C	φ16×120	3,600	4	15	4×4	A)4,300 B)4,300 C)4,100	A)3,450 B)3,450(167) C)3,140	
				430766 (PP)	C	φ16×120	12,000						
				430791 (PP)	C	φ16×120	12,000						
			FLC	352095 (PS)	C	φ17×120	1,800						
				352196 (PP)	C	φ17×120	6,000						
	 3315-G07P	 15ml	NEG	P-16.5S (G)	R	φ16.5×105	-	5	15	7×4	A)4,800 B)4,800 C)4,100	A)4,150 B)4,150(161) C)3,030	
				 2.5ml	FLC	PAXgene blood collection tube (PET)	R						
 3314-04P	 14ml	FLC	352017 (PS)	R	φ17×100	1,400	6	14	4×4	A)2,700 B)2,700 C)2,700	A)1,360 B)1,360(167) C)1,360		
			352057 (PS)	R	φ17×100	1,400							
			352018 (PP)	R	φ17×100	3,000							
			352059 (PP)	R	φ17×100	3,000							
 3307-07P	 7ml	TER	Veno-Ject II Tube 7ml (PET)	R	φ13.2×101.6	1,200	8	7	7×4	A)4,100 B)4,100 C)4,100	A)2,990 B)2,990(159) C)2,990		
 3305-07P	 5ml		Veno-Ject II Tube 5ml (PET)	R	φ13.2×80.3	1,200	7	5	7×4	A)4,100 B)4,200 C)4,200	A)2,760 B)2,900(147) C)2,900		
Bucket cap kit B433 *3		Component		CAP433-1		GASKET							

* 1 Maximum allowable speeds and maximum RCFs listed are respectively different for each applicable model.




* 2 Only be used at the set temp of 4°C.

* 3 B433 bucket becomes a sealed bucket by using [Bucket cap kit B433].


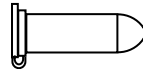
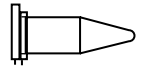

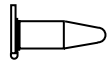

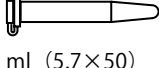
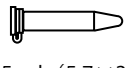
B433 bucket using [Bucket cap kit B433], which has been tested and certified by the Health Protection Agency (HPA, UK) to be compliant with the International Standard (Annex AA of the IEC 61010-2-020), meets requirements for biohazard safety.

CS-1

Applicable model	AX-521 / AX-511 / AX-501
Rotor capacity	4 buckets

Bucket Code No.	Max.speed [rpm]	Bucket capacity
M0415-04 	10,000	2ml×4
M0406-05 	10,000	0.5ml×5
M0404-09 	10,000	0.4ml×9

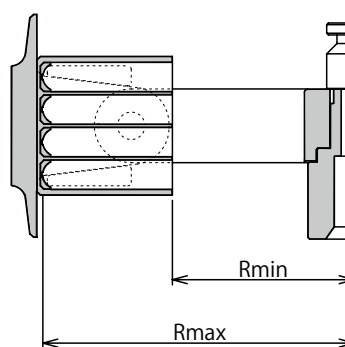
Applicable Tube to CS-1

	Tube ($\phi \times L$ [mm])	BART Code	Max. Number × Places	Radius[mm]		Allowable Speed [rpm]	Max. RCF [G]
				Max	Min		
M0415-04 	 2 ml (11×42)	1	4×4	73	35	10,000	8,160
	 1.5 ml (11×41)	1	4×4	71	35	10,000	7,940
M0406-05 	 0.5 ml (7.9×31)	1	5×4	64	35	10,000	7,160
M0404-09 	 0.4 ml (5.7×50)	1	9×4	79	33	10,000	8,830
	 0.25 ml (5.7×38)	1	9×4	66	33	10,000	7,380

TS-37C

Applicable model	AX-521
Rotor capacity	4 buckets

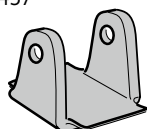
*Bucket B437 is included.



* Figure shows an example of use for 3650-G05P

Bucket capacity/ Bucket	Rack capacity/ Rack	Max. Speed [rpm]	Max. RCF [G]	Rotating radius [mm]		Remarks
				Rmax	Rmin	
250 ml × 1 3625C-01P		3,200	2,070	181	106	
100 ml × 2 3610C-G02P		3,200	2,050	179	106	
50 ml Conical Tube × 5 15 ml Conical Tube × 2 3650-TC05P		3,200	2,100	183	106	*1
50 ml × 5 3650-G05P		3,200	2,030	177	106	
15 ml × 16 3615-G16P		3,200	2,080	182	106	
15 ml Conical Tube × 14 3615-TC14P		3,200	2,100	183	106	
14 ml × 18 3614C-18P		3,200	2,020	176	118	
6 ml × 35 3606C-35P		3,200	2,100	183	124	
5 ml × 48 3605C-48P		3,200	2,100	183	130	
2 ml × 36 3602C-36P		3,200	1,920	168	130	
Deepwell plate × 2 *2 Microplate × 4 *3 AS36C-96D		3,200	2,080	182	—	*2 *3
50 ml Conical Tube × 6 15 ml Conical Tube × 2 3750-TC06P		3,200	2,100	183	106	*4
15 ml × 24 3715-G24P		3,200	2,080	182	106	
50 ml × 6 3750-G06P		3,200	2,030	177	106	
15 ml Conical Tube × 16 3715-TC16P		3,200	2,100	183	106	

B437



*1 Up to 4×50 ml and 2×15 ml tubes can be loaded together.

*2 Load dimensions (L×D×H) are up to 128.5×86×90mm.

*3 Load dimensions (L×D×H) are up to 128.5×86×58mm.

*4 50 ml tubes and 15 ml tubes cannot be loaded together.

Applicable Tube to TS-37C ①

Bucket	Rack	Adapter	Tube						BART Code	Actual Capacity(ml)	Max. Number × Places	Allowable Speed [rpm]	Max. RCF [G] (Radius [mm])	Remarks						
			Nominal Capacity [ml]	Mfr. abbr.	Model name (Material)	Bottom Shape	Tube Dimension (φ×L [mm])	Allowable RCF [G]												
B437 	3625C-01P 	3124-0010 		NAL	3123-0250 (PC)	R	φ61.9×145.8	27,500	1	225	1×4	3,200	2,040 (178)							
			250ml																	
			NAL	3120-0250 (PPCO)	F	φ61.8×127.7	13,200	250												
				3121-0250 (HDPE)	F	φ61.2×131.9	8,000													
				3122-0250 (PC)	F	φ61.8×127.6	27,500													
	3127-0250 (FEP)	F	φ60×128.8	4,000									*1							
	352090 		FLC	352075 (PP)	C	φ61×137	7,500	175												
		225 ml																		
					FLC	352076 (PP)	C	φ61×118	7,500											
		3610C-G02P 			NEG	(G)	R	φ45×120	—	2	100	2×4	3,200	2,050 (179)						
	3650-TC05P 		COR	430291 (PP)	C	φ29×116	15,500	4	50	5×4	3,200	2,100 (183)								
				430304 (PET)	C	φ29×116	3,600													
				430829 (PP)	C	φ29×116	15,500													
			FLC	352070 (PP)	C	φ30×115	9,400	4	15	2×4	3,200	2,100 (183)	2,900	1,720 (183)						
				430053 (PET)	C	φ16×120	3,600													
				430766 (PP)	C	φ16×120	12,000													
				430791 (PP)	C	φ16×120	12,000													
	352196 (PP)	C	φ17×120	6,000																
	352095 (PS)	C	φ17×120	1,800																
	3650-G05P 				NEG	(G)	R	φ35×100	—	3	50	5×4	3,200	2,030 (177)						
3615-G16P 				NEG	P-16.5S (G)	R	φ16.5×105	—	5	15	16×4	3,200	2,080 (182)							
3615-TC14P 		COR	430053 (PET)	C	φ16×120	3,600	6	15	14×4	3,200	2,100 (183)	2,900	1,720 (183)							
			430766 (PP)	C	φ16×120	12,000														
			430791 (PP)	C	φ16×120	12,000														
		FLC	352196 (PP)	C	φ17×120	6,000														
		352095 (PS)	C	φ17×120	1,800															
3614C-18P 		FLC	352057 (PS)	R	φ17×100	1,400	7	14	18×4	2,600	1,330 (176)	3,200	2,020 (176)							
			352059 (PP)	R	φ17×100	3,000														
			352017 (PS)	R	φ17×100	1,400														
			352018 (PP)	R	φ17×100	3,000														

*1 Only be used at the set temp of 4°C.

Applicable Tube to TS-37C ②

Bucket	Rack	Adapter	Tube						BART Code	Actual Capacity [ml]	Max. Number × Places	Allowable Speed [rpm]	Max. RCF [G] (Radius [mm])	Remarks
			Nominal Capacity [ml]	Mfr abbr.	Model name (Material)	Bottom Shape	Tube Dimension (φ×L [mm])	Allowable RCF [G]						
B437 	3606C-35P 		6 ml	EIK	JA1000 (PS) JA2000 (PS) JA3000 (PS) JA4000 (PS)	R	φ14.5×83	—	8	6	35×4	3,200	2,100 (183)	
	3605C-48P 		5 ml	FLC	352002 (PP)	R	φ12×75	3,000	9	5	48×4	3,200	2,100 (183)	*1
					352053 (PP)	R	φ12×75	3,000						
					352063 (PP)	R	φ12×75	3,000						
					352058 (PS)	R	φ12×75	1,400						
					352235 (PS)	R	φ12×75	1,400						
					352008 (PS)	R	φ12×75	1,400						
					352052 (PS)	R	φ12×75	1,400						
	3602C-36P 		2ml	EPP	Safe-Lock Tube (PP)	C	φ11×42	25,000	A	2	36×4	3,200	1,920 (168)	
					EPP	Safe-Lock Tube (PP)	C	φ11×41.5						
	AS36C-96D 	—	—	—		Deepwell plate	—	—	—	b		2×4	—	— (-)
					Microplate		4×4							
	3750-TC06P 		50ml	COR	430291 (PP)	C	φ29×116	15,500	4	50	6×4	3,200	2,100(183)	
					430304 (PET)	C	φ29×116	3,600						
					430829 (PP)	C	φ29×116	15,500						
FLC					352070 (PP)	C	φ30×115	9,400						
		15ml	COR	430053 (PET)	C	φ16×120	3,600	15	2×4	3,200	2,100(183)	2,900	1,720(183)	
				430766 (PP)	C	φ16×120	12,000							
				430791 (PP)	C	φ16×120	12,000							
				FLC	352095 (PS)	C	φ17×120							
3715-G24P 		15ml	NEG	P-16.5S (G)	R	φ16.5×105	—	5	15	24×4	3,200	2,080(182)		
														3750-G06P
3715-TC16P 		15ml	COR	430053 (PET)	C	φ16×120	3,600	6	15	16×4	3,200	2,100(183)		
				430766 (PP)	C	φ16×120	12,000							
				430791 (PP)	C	φ16×120	12,000							
				FLC	352095 (PS)	C	φ17×120							1,800
				352196 (PP)	C	φ17×120	6,000							

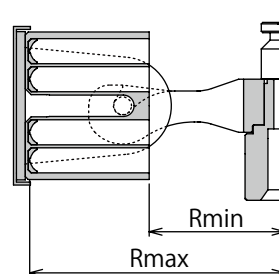
*1 Use the rack hole alternately.

*2 Prior to centrifugation, check the durability of plates in use.

















TS-38C



Applicable model	AX-521 / AX-511
Rotor capacity	4 buckets



* Figure shows an example of how 3815-10P is used in B438.

Bucket capacity/ Bucket	Rack capacity/ Rack	Max. Speed [rpm]	Max. RCF [G]	Rotating radius [mm]	
				Rmax	Rmin
B438 	50 ml Conical Tube × 4 3850-04P 	3,500	2,380	174	92
	50 ml × 4 3850-N04P 	3,500	2,380	174	92
	50 ml × 2 3850-02P 	3,500	2,380	174	92
	15 ml Conical Tube × 10 3815-10P 	3,500	2,380	174	92
	15 ml × 16 3815-16P 	3,500	2,370	173	92
	6 ml × 20 3806-EK20P 	3,500	2,330	170	92
	10 ml × 20 3810-N20P 	3,500	2,270	166	92
	5 ml × 16 3805-FA16P 	3,500	2,080	152	92
	2 ml × 24 3802-EP24P 	3,500	1,780	130	92
	50 ml Conical Tube × 2 15 ml Conical Tube × 4 38M-TC0204P 	3,500	2,380	174	92
	5 to 10 ml Collection Tube × 14 3810M-14P 	3,500	2,380	174	92
250 ml × 1 B438-29 	—	4,200	3,650	185	94
50 ml Conical Tube × 2 15 ml Conical Tube × 2 B438-5002BH  HS	—	4,000	3,310	185	99
15 ml Conical Tube × 7 B438-1507BH  HS	—	4,000	3,310	185	99
Microplate × 1 B438-96 Load dimensions(L×D×H) up to 128.5×86×33 mm 	—	4,200	3,100	157	—















HS has been tested and certified by the Health Protection Agency (HPA, UK) to be compliant with the International Standard (Annex AA of the IEC 61010-2-020), meets requirements for biohazard safety.

HS adopted a hermetically sealed structure equivalent to **HS** rotors designed and tested in accordance with the International Standard (Annex AA of the IEC 61010-2-020) to offer excellent sealing performance.

Applicable Tube to TS-38C ①

Bucket	Rack / Adapter	Tube						BART Code	Actual Capacity [ml]	Max. Number × Places	Allowable Speed [rpm]	Max. RCF [G] (Radius [mm])	Remarks
		Nominal Capacity [ml]	Mfr abbr.	Model name (Material)	Bottom Shape	Tube Dimension (φ×L [mm])	Allowable RCF [G]						
B438 	3850-04P 	50ml 	COR	430291 (PP)	C	φ29×116	15,500	1	50	4×4	3,500	2,380 (174)	
				430304 (PET)	C	φ29×116	3,600						
				430829 (PP)	C	φ29×116	15,500						
			FLC	352070 (PP)	C	φ30×115	9,400						
	3850-N04P 	50ml 	NAL	3118-0050 (PC)	R	φ28.8×107	50,000	2	40	4×4	3,500	2,380 (174)	
				3119-0050 (PPCO)	R	φ28.8×106.7	50,000						
	3850-02P 	50ml 	NEG	(G)	R	φ35×100	-	3	50	2×4	3,500	2,380 (174)	
	3815-10P 	15ml 	COR	430053 (PET)	C	φ16×120	3,600	4	15	10×4	3,500	2,380 (174)	
				430766 (PP)	C	φ16×120	12,000						
				430791 (PP)	C	φ16×120	12,000						
			FLC	352095 (PS)	C	φ17×120	1,800						
				352196 (PP)	C	φ17×120	6,000						
	3815-16P 	15ml 	NEG	P-16.5S (G)	R	φ16.5×105	-	5	15	16×4	3,500	2,370 (173)	
	3806-EK20P 	6ml 	EIK	JA1000 (PS)	R	φ14.5×83	-	6	6	20×4	3,500	2,330 (170)	
				JA2000 (PS)	R	φ14.5×83	-						
				JA3000 (PS)	R	φ14.5×83	-						
				JA4000 (PS)	R	φ14.5×83	-						
	3810-N20P 	10ml 	NAL	3118-0010 (PC)	R	φ16.1×81.7	50,000	7	8	20×4	3,500	2,270 (166)	
				3119-0010 (PPCO)	R	φ16.0×81.4	50,000						
	3805-FA16P 	5ml 	FLC	352002 (PP)	R	φ12×75	3,000	E	5	16×4	3,500	2,080 (152)	
				352053 (PP)	R	φ12×75	3,000						
352063 (PP)				R	φ12×75	3,000							
352008 (PS)				R	φ12×75	1,400							
352052 (PS)				R	φ12×75	1,400							
352058 (PS)				R	φ12×75	1,400							
352235 (PS)		R	φ12×75	1,400									
4ml 	SIO	Shionogi Tube (PS)	R	φ12×72	-	4	3,500	2,080 (152)					
3802-EP24P 	2ml 	EPP	Safe-Lock Tube (PP)	C	φ11×42	25,000	9	2	24×4	3,500	1,780 (130)		
	1.5ml 	EPP	Safe-Lock Tube (PP)	C	φ11×41.5	25,000							
		EPP	Microtube 3810 (PP)	C	φ11×41.5	25,000							
38M-TC0204P 	50ml 	COR	430291 (PP)	C	φ29×116	15,500	50	2×4	3,500	2,380 (174)			
			430304 (PET)	C	φ29×116	3,600							
			430829 (PP)	C	φ29×116	15,500							
		FLC	352070 (PP)	C	φ30×115	9,400							
	15ml 	COR	430053 (PET)	C	φ16×120	3,600	F	15	4×4	3,500	2,380 (174)		
			430766 (PP)	C	φ16×120	12,000							
			430791 (PP)	C	φ16×120	12,000							
		FLC	352095 (PS)	C	φ17×120	1,800							
			352196 (PP)	C	φ17×120	6,000							
			3,000	1,750 (174)									
3,500	2,380 (174)												

Applicable Tube to TS-38C ②

Bucket	Rack / Adapter	Tube						BART Code	Actual Capacity [ml]	Max. Number × Places	Allowable Speed [rpm]	Max. RCF [G] (Radius [mm])	Remarks	
		Nominal Capacity [ml]	Mfr abbr.	Model name (Material)	Bottom Shape	Tube Dimension (φ×L [mm])	Allowable RCF [G]							
B438 	3810M-14P 	5ml	SEK	Insepack II,rubber cap (PET)	R	φ 12.7×75	3,000	G	3	14×4	3,500	2,380 (174)		
				Insepack II,cover cap (PET)	R	φ 12.7×75.6	3,000		2					
			NIP	Neotube (PET)	R	φ 12.8×75	3,000		4					
			TER	Veno-Ject II Tube (PET)	R	φ 13.2×78	3,000		5					
			BDC	Vacutainer (G,PET)	R	φ 13.0×75	3,000		5					
		7ml	SEK	Insepack II,rubber cap (PET)	R	φ 13.3×100	3,000		5					
				Insepack II,cover cap (PET)	R	φ 12.7×100	3,000		5.5					
			NIP	Neotube (PET)	R	φ 12.8×100	3,000		5.5					
			TER	Veno-Ject II Tube (PET)	R	φ 15.5×75	3,000		6					
			TER	Veno-Ject II Tube (PET)	R	φ 13.2×100	3,000		7					
			BDC	Vacutainer (G,PET)	R	φ 13.0×100	3,000		7					
		10ml	SEK	Insepack II,rubber cap (PET)	R	φ 16.2×100	3,000		8					
				Insepack II,cover cap (PET)	R	φ 15.8×100	3,000		8					
			NIP	Neotube (PET)	R	φ 15.5×100	3,000		9					
			TER	Veno-Ject II Tube (PET)	R	φ 15.6×100	3,000		10					
BDC	Vacutainer (G,PET)		R	φ 16.0×100	3,000	10								
B438-29 	Adapter (3124-0010) 	250ml 	NAL	3120-0250 (PPCO)	F	φ 61.8×127.7	13,200	A	250	1×4	4,200	3,650 (185)	* 1	
				3121-0250 (HDPE)	F	φ 61.2×131.9	8,000							
				3122-0250 (PC)	F	φ 61.8×127.6	27,500							
				3127-0250 (FEP)	F	φ 60.0×128.8	4,000							
	Adapter (352090) 	225ml 	FLC	352075 (PP)	C	φ 61×137	7,500							225
	175ml 	FLC	352076 (PP)	C	φ 61×118	7,500	175							
B438-5002BH HS 	—	50ml 	COR	430291 (PP)	C	φ 29×116	15,500	b	50	2×4	4,000	3,310 (185)		
				430304 (PET)	C	φ 29×116	3,600							
				430829 (PP)	C	φ 29×116	15,500							
			FLC	352070 (PP)	C	φ 30×115	9,400							
			—	15ml 	COR	430053 (PET)	C							φ 16×120
	430766 (PP)	C	φ 16×120			12,000								
	430791 (PP)	C	φ 16×120			12,000								
	FLC	352095 (PS)	C		φ 17×120	1,800								
	352196 (PP)	C	φ 17×120		6,000									
	B438-1507BH HS 	—	15ml 	COR	430053 (PET)	C	φ 16×120		3,600	c	15	7×4	4,000	3,310 (185)
430766 (PP)					C	φ 16×120	12,000							
430791 (PP)					C	φ 16×120	12,000							
FLC				352095 (PS)	C	φ 17×120	1,800							
352196 (PP)				C	φ 17×120	6,000								
B438-96 	—	—	—	Microplate	—	—	—	d	—		1×4	—	— (—)	* 2

* 1 Only be used at the set temp of 4°C. * 2 Prior to centrifugation, check the durability of plates in use.

HS has been tested and certified by the Health Protection Agency (HPA, UK) to be compliant with the International Standard (Annex AA of the IEC 61010-2-020), meets requirements for biohazard safety.

HS adopted a hermetically sealed structure equivalent to **HS** rotors designed and tested in accordance with the International Standard (Annex AA of the IEC 61010-2-020) to offer excellent sealing performance.

Symbols in the Table

Manufacturer Abbreviation

BDC : Becton, Dickinson and Company.
BEC : BECKMAN COULTER ,INC.
COR : CORNING INTERNATIONAL CORP.
EIK : EIKEN CHEMICAL CO., LTD.
EPP : EPPENDORF AG
FLC : Falcon/CORNING INTERNATIONAL CORP.
HER : Herolab GmbH Laborgeraete
HIT : Eppendorf Himaс Technologies CO., LTD.
IED : IEDA TRADING CORPORATION
INA : Ina-optika corporation.
IWA : Iwaki/AGC TECHNO GLASS CO., LTD.
NAL : NALGENE/ Thermo Fisher Scientific K.K.
NEG : NICHIDEN-RIKA GLASS CO., LTD.
NIP : NIPRO CORPORATION
NUC : NUNC / Thermo Fisher Scientific K.K.
SEK : SEKISUI MEDICAL CO., LTD.
SIO : SHIONOGI & CO., LTD.
SUM : SUMITOMO BAKELITE COMPANY LIMITED
TER : TERUMO CORPORATION
TOM : TOMY SEIKO CO., LTD.
TRE : TOHO KK.
WAT : WATSON CO., LTD.

Materials

FEP : Teflon FEP	G : Glass	HDPE : High-density Polyethylene
PA : Polyallomer	PC : Polycarbonate	PET : Polyethylene Terephthalate
PP : Polypropylene	PS : Polystyrene	PPCO : Polypropylene Copolymer
PSF : Polysulfone	SS : Stainless Steel	

Bottom shape

C : Conical F : Flat R : Round

* The specifications of the tube listed in the applicable tube table indicate the nominal value of the manufacturer.

* If the specifications of the tube have been changed by the manufacturer, it may not be able to fulfill all the conditions stated in the tables. For the latest specifications of the tube, please ask the manufacturer.