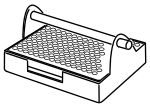
Rotors & Accessories Selection Guide

Swing Out Rotors for CAX-571

TS-4C Click Here

1,800rpm : 510G

– Bucket –



S4096-02

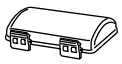
TS-41C Click Here

4,500rpm : 3,150G

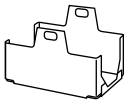
Bucket

B241

Cover



Adapter



AS41-96D

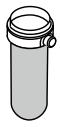
＊ Bucket,Adapter and Cover are included.

TS-7C Click Here

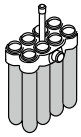
5,000rpm : 4,670G

■ Main Bucket and Rack

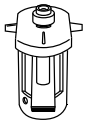
– Bucket –



7150-01



7115-08



SC-2

– Bucket and Rack –

B407

0705-FA10P

TS-33C Click Here

4,700rpm : 4,170G

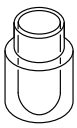
■ Main Bucket and Rack

– Bucket –

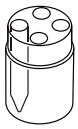
B433

– Rack –

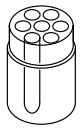
3314-04P



3350-G01P



3315-TC04P



3315-G07P

HS CAP433-1 GASKET

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

CS-1 Click Here

15,000rpm : 19,880G

– Bucket –

M0415-04

M0406-05

M0404-09

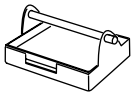
＊ Bucket is not included (The photo show a rotor with a bucket model MO415-04 installed.)

＊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	CAX-571
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	–

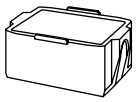
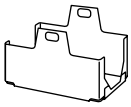
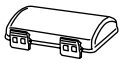
Applicable Tube to TS-4C

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	CAX−571
Rotor capacity	2 buckets

Bucket / Adapter	Bucket capacity	Max. Speed [rpm]	Max. RCF [G]	Rotating radius [mm]	
				Rmax	Rmin
Deepwell plate Load dimensions (L×D×H) up to 128.5×86×80 mm ＊1 Micro plate Load dimensions (L×D×H) up to 128.5×86×58 mm    Bucket B241　Adapter AS41-96D　Cover	Deepwell plate×1	4,500	3,150	139	−
	Micro plate×4				

＊1 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	−	−	＊2 ＊3
		−		Plate with filter	−	−	−	1	−	1×2 plates with filter	−	−	＊2
		−		Microplate	−	−	−	1	−	4×2 micro plates	−	−	＊2

＊2 Prior to centrifugation, check the durability of plates in use.
＊3 When centrifuging without covers, it accepts up to 2×2 deepwell plates.

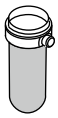
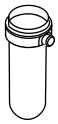
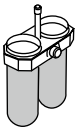
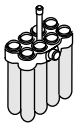
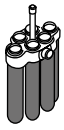
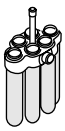
TS-7C

Applicable model	CAX-571
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
15 ml × 8 7015-08 ＊3 	—	3,500	2,190	160	85
15 ml × 6 7215-06 ＊4 	—	3,600	2,430	168	78
15 ml × 6 7015-06 ＊3 	—	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)
＊4 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 		 50ml	NEG	(G)	R	φ35×100	—	3	50	1 × 4	4,000	2,810(157)	
	Adapter		FLC	352070 (PP)	C	φ30×115	9,400						＊1
		 50ml	COR	430291 (PP)	C	φ29×116	15,500						
				430304 (PET)	C	φ29×116	3,600						
				430829 (PP)	C	φ29×116	15,500						
	A1500-04 	 15ml	NEG	P-16.5S (G)	R	φ16.5×105	—		15	1 × 4			
7150-01 		 50ml	NEG	(G)	R	φ35×100	—	2	50	1 × 4	5,000	4,670(167)	
	Adapter		COR	430304 (PET)	C	φ29×116	3,600				4,300	3,450(167)	＊1
		 50ml	FLC	352070 (PP)	C	φ30×115	9,400				5,000	4,670(167)	
			COR	430291 (PP)	C	φ29×116	15,500						
				430829 (PP)	C	φ29×116	15,500						
	A1500-04 	 15ml	NEG	P-16.5S (G)	R	φ16.5×105	—		15	1 × 4			
7050-02 		 50ml	NEG	(G)	R	φ35×100	—	1	50	2 × 4	3,500	2,150(157)	
	Adapter		FLC	352070 (PP)	C	φ30×115	9,400						＊1
		 50ml	COR	430291 (PP)	C	φ29×116	15,500						
				430304 (PET)	C	φ29×116	3,600						
				430829 (PP)	C	φ29×116	15,500						
	A1500-04 	 15ml	NEG	P-16.5S (G)	R	φ16.5×105	—		15	2 × 4			
7015-08 		 15ml	NEG	P-16.5S (G)	R	φ16.5×105	—	5	15	8 × 4	3,500	2,190(160)	
		 15ml	COR	430053 (PET)	C	φ16×120	3,600			4 × 4			＊2
				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				3,100	1,720(160)	
7215-06 		 15ml	NEG	P-16.5S (G)	R	φ16.5×105	—	6	15	6 × 4	3,600	2,430(168)	
		 15ml	COR	430053 (PET)	C	φ16×120	3,600						
				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				3,000	1,690(168)	
7015-06 		 15ml	NEG	P-16.5S (G)	R	φ16.5×105	—	7	15	6 × 4	3,600	2,320(160)	
		 15ml	COR	430053 (PET)	C	φ16×120	3,600			4 × 4			＊2
				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				3,100	1,720(160)	

＊1 Contact TOMY for more information.

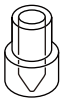
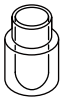
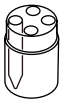
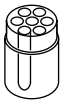
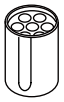
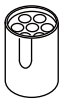
＊2 Only four holes of the center of the bucket can be used.

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]						
 B407	0705-10P 	 5ml	TER	Veno-Ject II Tube (PET)	R	φ13.2×80.3	3,000	C	5	10 × 4	3,100	1,670(155)	
	0705-FA10P 	 5ml	FLC	352052 (PS)	R	φ12×75	1,400	B	5	10 × 4	2,800	1,360(155)	
				352008 (PS)	R	φ12×75	1,400						
				352058 (PS)	R	φ12×75	1,400						
				352235 (PS)	R	φ12×75	1,400						
				352002 (PP)	R	φ12×75	3,000				3,100	1,670(155)	
				352053 (PP)	R	φ12×75	3,000						
				352063 (PP)	R	φ12×75	3,000						
SC-2 	Collection bucket of floating cells	8ml		—				9	8	1 × 4	1,600	420(145)	

TS-33C

Applicable model	CAX-571
Rotor capacity	4 buckets

Bucket capacity/ Bucket	Rack capacity/ Rack	Max. Speed [rpm]	Max. RCF [G]	Rotating radius [mm]	
				Rmax	Rmin
B433 250 ml ×1 	—	4,700	4,170	169	82
	50 ml Conical Tube×1 3350-TC01P 	4,700	4,130	167	74
	50 ml×1 3350-G01P 	4,700	3,980	161	74
	15 ml Conical Tube×4 3315-TC04P 	4,700	4,130	167	74
	15 ml ×7 PAXgene Blood RNA Tube 3315-G07P 	4,700	3,980	161	78
	14 ml ×4 3314-04P 	4,700	2,900	167	105
	7 ml× 7 Veno-Ject II Tube 3307-07P 	4,100	2,900	159	85
	5 ml×7 Veno-Ject II Tube 3305-07P 	4,200	2,900	147	91
Bucket cap kit B433 *1  HS	Component CAP433-1  GASKET 	—			

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

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.

Applicable Tube to TS-33C

Bucket	Adapter	Tube: Nominal Capacity [ml]	Mfr abbr.	Model name (Material)	Bottom Shape	Tube Dimension (φ×L [mm])	Allowable RCF [G]	BART Code	Actual Capacity[ml]	Max. Number ×Places	Allowable Speed [rpm]	Max. RCF [G] (Radius [mm])	Remarks
B433	—	250ml	NAL	3120-0250 (PPCO)	F	φ61.8×127.7	13,200	1	250	1×4	4,700	4,170(169)	
				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				4,600	4,000(169)	＊1
	352090 Adapter	225ml	FLC	352075 (PP)	C	φ61×137	7,500		225		4,700	4,170(169)	
		175ml	FLC	352076 (PP)	C	φ61×118	7,500		175				
	3350-TC01P	50ml	COR	430291 (PP)	C	φ29×116	15,500	2	50	1×4	4,700	4,130(167)	
				430304 (PET)	C	φ29×116	3,600				4,300	3,450(167)	
				430829 (PP)	C	φ29×116	15,500				4,700	4,130(167)	
			FLC	352070 (PP)	C	φ30×115	9,400						
	3350-G01P	50ml	NEG	(G)	R	φ35×100	—	3	50	1×4	4,700	3,980(161)	
	3315-TC04P	15ml	COR	430053 (PET)	C	φ16×120	3,600	4	15	4×4	4,300	3,450(167)	
				430766 (PP)	C	φ16×120	12,000				4,700	4,130(167)	
				430791 (PP)	C	φ16×120	12,000						
			FLC	352095 (PS)	C	φ17×120	1,800				3,100	1,790(167)	
				352196 (PP)	C	φ17×120	6,000				4,700	4,130(167)	
	3315-G07P	15ml	NEG	P-16.5S (G)	R	φ16.5×105	—	5	15	7×4	4,700	3,980(161)	
		2.5ml	FLC	PAXgene blood collection tube (PET)	R	φ15.3×105.8	5,000		2.5				
	3314-04P	14ml	FLC	352017 (PS)	R	φ17×100	1,400	6	14	4×4	2,700	1,360(167)	
				352057 (PS)	R	φ17×100	1,400						
				352018 (PP)	R	φ17×100	3,000				4,000	2,990(167)	
				352059 (PP)	R	φ17×100	3,000						
	3307-07P	7ml	TER	Veno-Ject II Tube 7ml (PET)	R	φ13.2×101.6	3,000	8	7	7×4	4,100	2,990(159)	
	3305-07P	5ml		Veno-Ject II Tube 5ml (PET)	R	φ13.2×80.3	3,000	7	5	7×4	4,200	2,900(147)	
Bucket cap kit B433 ＊2 HS			Component			CAP433-1		GASKET					

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

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

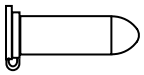
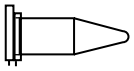
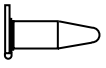
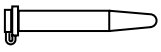
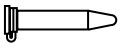
HS B433 bucket using [Bucket cap kit B433], which has been tested and certified by the Health Protection Agency (HPA, UK) to be compliant with the International Standard (Annex AA of the IEC 61010-2-020), meets requirements for biohazard safety.

CS-1

Applicable model	CAX-571
Rotor capacity	4 buckets

Bucket Code No.	Max.speed [rpm]	Bucket capacity
M0415-04 	15,000	2ml×4
M0406-05 	15,000	0.5ml×5
M0404-09 	15,000	0.4ml×9

Applicable Tube to CS-1

Bucket	Tube (φ×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	15,000	18,370
	1.5 ml（11×41） 	1	4×4	71	35	15,000	17,860
M0406-05 	0.5 ml（7.9×31） 	1	5×4	64	35	15,000	16,100
M0404-09 	0.4 ml（5.7×50） 	1	9×4	79	33	15,000	19,880
	0.25 ml（5.7×38） 	1	9×4	66	33	15,000	16,610

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

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.