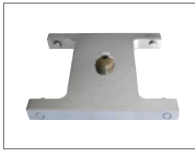
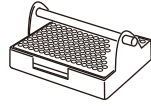


Rotors & Accessories Selection Guide

Swing Out Rotors for LCX-200 / 100



– Bucket –



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

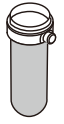
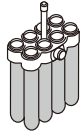
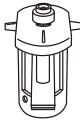
S4096-02



■ Main Bucket and Rack


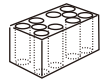
TS-7C [Click Here](#)
5,000rpm : 4,670G

– Bucket –

7150-01 7115-08 SC-2

– Bucket and Rack –


B407 0705-FA10P



■ Main Bucket and Rack


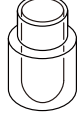
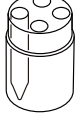
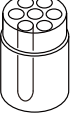
TS-33C [Click Here](#)
5,000rpm : 4,720G (LCX-200)
4,100rpm : 3,180G (LCX-100)

– Bucket –



B433

– Rack –

3314-04P 3350-G01P 3315-TC04P 3315-G07P



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



– Bucket –



CS-1 [Click Here](#)
10,000rpm : 8,830G

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 LCX-200



■ Main Bucket and Rack

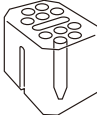
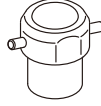

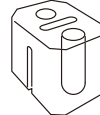
TS-38C [Click Here](#)
4,200rpm : 3,650G

– Bucket –

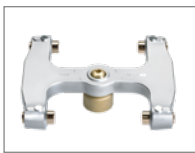


B438

– Rack –

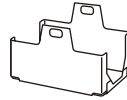
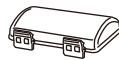
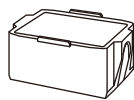
3815-10P B438-29 B438-5002BH 3850-02P



Bucket

Cover

Adapter



TS-41C [Click Here](#)
4,500rpm : 3,150G

B241

AS41-96D

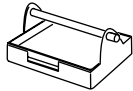
* Bucket, Adapter and Cover are included.

* 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 | LCX-200 / LCX-100 |
| 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.

| | |
|------------------|-------------------|
| Applicable model | LCX-200 / LCX-100 |
| 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 | — | 3,500 | 2,370 | 173 | 78 | |
| 15 ml × 8 7115-08 *4 | — | 3,500 | 2,380 | 174 | 79 | |
| 15 ml × 8 7015-08 *5 | — | 3,500 | 2,190 | 160 | 85 | |
| 15 ml × 6 7215-06 *6 | — | 3,600 | 2,430 | 168 | 78 | |
| 15 ml × 6 7015-06 *5 | — | 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

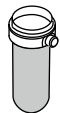
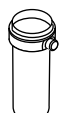

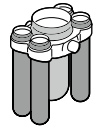

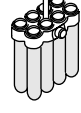
*3 Aluminum sleeve(silver and gold)

*4 Aluminum sleeve(gold)

*5 Aluminum sleeve(silver)

*6 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  | 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 | | | | | | | |
| 352095 (PS) | | | C | φ 17 × 120 | 1,800 | | | | | | | | |
| 3,000 | 1,740(173) | | | | | | | | | | | | |
| 7115-08  | 15ml | NEG | P-16.5S (G) | R | φ 16.5 × 105 | — | 4 | 15 | 8 × 4 | 3,500 | 2,380(174) | | |
| | | COR | 430053 (PET) | C | φ 16 × 120 | 3,600 | | | | | | | |
| | 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 | | | | | | | | |
| 352095 (PS) | | C | φ 17 × 120 | 1,800 | | | | | | | | | |
| 3,000 | 1,750(174) | | | | | | | | | | | | |
| 7015-08  | 15ml | NEG | P-16.5S (G) | R | φ 16.5 × 105 | — | 5 | 15 | 8 × 4 | 3,500 | 2,190(160) | *2 | |
| | | COR | 430053 (PET) | C | φ 16 × 120 | 3,600 | | | | | | | |
| | 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 | | | | | | | | |
| | | 352095 (PS) | C | φ 17 × 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] | | | | | | |
| | | NEG | P-16.5S (G) | R | φ 16.5 × 105 | — | 6 | 15 | 6 × 4 | 3,600 | 2,430(168) | | |
| | | | | | | | | | | | | | 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 | | | | | | | |
| | | | 352095 (PS) | C | φ 17 × 120 | 1,800 | | | | | | | |
| | | NEG | P-16.5S (G) | R | φ 16.5 × 105 | — | 7 | 15 | 6 × 4 | 3,600 | 2,320(160) | * 1 | |
| | | | | | | | | | | | | | 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 | | | | | | | |
| | | | 352095 (PS) | C | φ 17 × 120 | 1,800 | | | | | | | |
| | | | TER | Veno-Ject II Tube (PET) | R | φ 13.2 × 80.3 | 3,000 | 8 | 5 | 10 × 4 | 3,100 | 1,670(155) | |
| | | | | | | | | | | | | | |
| | 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 | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | Collection bucket of floating cells | | | — | | | | b | 8 | 1 × 4 | 1,600 | 420(145) |
| | | | | | | | | | | | | | |

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


TS-33C

| | |
|------------------|------------|
| Applicable model | A) LCX-200 |
| | B) LCX-100 |
| Rotor capacity | 4 buckets |

| Bucket capacity/ Bucket | Rack capacity/ Rack | Max. Speed [rpm] *1 | Max. RCF [G] *1 | Rotating radius [mm] | |
|---|---|--|----------------------|-------------------------|------|
| | | | | Rmax | Rmin |
| | — | A) 5,000 B) 4,100 | A) 4,720 B) 3,180 | 169 | 82 |
| B433 250 ml × 1  | 50 ml Conical Tube × 1 3350-TC01P  | A) 5,000 B) 4,100 | A) 4,670 B) 3,140 | 167 | 74 |
| | 50 ml × 1 3350-G01P  | A) 5,000 B) 4,100 | A) 4,500 B) 3,030 | 161 | 74 |
| | 15 ml Conical Tube × 4 3315-TC04P  | A) 5,000 B) 4,100 | A) 4,670 B) 3,140 | 167 | 74 |
| | 15 ml × 7 PAXgene Blood RNA Tube 3315-G07P  | A) 5,000 B) 4,100 | A) 4,500 B) 3,030 | 161 | 78 |
| | 14 ml × 4 3314-04P  | A) 4,000 B) 4,000 | A) 2,990 B) 2,990 | 167 | 105 |
| | 7 ml × 7 Veno-Ject II Tube 3307-07P  | A) 4,100 B) 4,100 | A) 2,990 B) 2,990 | 159 | 85 |
| | 5 ml × 7 Veno-Ject II Tube 3305-07P  | A) 4,200 B) 4,100 | A) 2,900 B) 2,760 | 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 | Rack / 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)5,000 B)4,100 | A)4,720 ⁽¹⁶⁹⁾ B)3,180 | |
| | | | | 3121-0250 (HDPE) | F | φ61.2 × 131.9 | 8,000 | | | | | | |
| | | | | 3122-0250 (PC) | F | φ61.8 × 127.6 | 27,500 | | | | | | |
| | Adapter (352090) | 225ml 175ml | FLC | 352075 (PP) | C | φ61 × 137 | 7,500 | 1 | 225 | 1 × 4 | A)5,000 B)4,100 | A)4,720 ⁽¹⁶⁹⁾ B)3,180 | |
| | | | | 352076 (PP) | C | φ61 × 118 | 7,500 | | | | | | |
| | 3350-TC01P | 50ml | COR | 430291 (PP) | C | φ29 × 116 | 15,500 | 2 | 50 | 1 × 4 | A)5,000 B)4,100 | A)4,670 ⁽¹⁶⁷⁾ B)3,140 | |
| | | | | 430304 (PET) | C | φ29 × 116 | 3,600 | | | | | | |
| | | | | 430829 (PP) | C | φ29 × 116 | 15,500 | | | | | | |
| | | | | FLC | 352070 (PP) | C | φ30 × 115 | | | | | | |
| | 3350-G01P | 50ml | NEG | (G) | R | φ35 × 100 | — | 3 | 50 | 1 × 4 | A)5,000 B)4,100 | A)4,500 ⁽¹⁶¹⁾ B)3,030 | |
| | 3315-TC04P | 15ml | COR | 430053 (PET) | C | φ16 × 120 | 3,600 | 4 | 15 | 4 × 4 | A)4,300 B)4,100 | A)3,450 ⁽¹⁶⁷⁾ B)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)5,000 B)4,100 | A)4,500 ⁽¹⁶¹⁾ B)3,030 | |
| 2.5ml | | BDC | 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 | A)2,700 B)2,700 | A)1,360 ⁽¹⁶⁷⁾ B)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 | A)2,990 ⁽¹⁵⁹⁾ B)2,990 | | |
| 3305-07P | 5ml | | Veno-Ject II Tube 5ml (PET) | R | φ13.2 × 80.3 | 1,200 | 7 | 5 | 7 × 4 | A)4,200 B)4,100 | A)2,900 ⁽¹⁴⁷⁾ B)2,760 | | |
| 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].


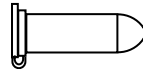
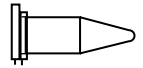

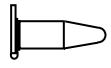

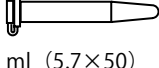
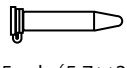
B433 bucket using [Bucket cap kit B433], which has been tested and certified by the Health Protection Agency (HPA, UK) to be compliant with the International Standard (Annex AA of the IEC 61010-2-020), meets requirements for biohazard safety.

CS-1

| | |
|------------------|-------------------|
| Applicable model | LCX-200 / LCX-100 |
| 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 |

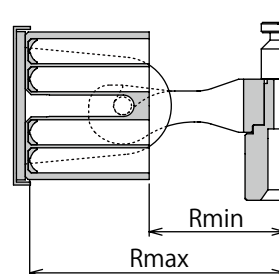
Applicable Tube to CS-1

| | 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-38C



| | |
|------------------|-----------|
| Applicable model | LCX-200 |
| 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 | — | 250ml | NAL | 3120-0250 (PPCO) | F | φ 61.8×127.7 | 13,200 | A | 250 | 1×4 | 4,200 | 3,650 (185) | | | | | |
| | | | | 3121-0250 (HDPE) | F | φ 61.2×131.9 | 8,000 | | | | | | | | | | |
| | | | | 3122-0250 (PC) | F | φ 61.8×127.6 | 27,500 | | | | | | | | | | |
| | Adapter (3124-0010) | 250ml | NAL | 3123-0250 (PC) | R | φ 61.9×145.8 | 27,500 | | 3,590 (182) | | | | | | | | |
| | Adapter (352090) | | | 225ml | FLC | 352075 (PP) | C | | φ 61×137 | | | | | 7,500 | 3,650 (185) | | |
| | | 175ml | FLC | | | 352076 (PP) | C | | φ 61×118 | | | | | 7,500 | | | |
| 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 | | | | | | | | | | |
| | | | 430053 (PET) | | C | φ 16×120 | 3,600 | | | | | | | | | | |
| | — | 15ml | COR | 430766 (PP) | C | φ 16×120 | 12,000 | 15 | 2×4 | 4,000 | 3,310 (185) | | | | | | |
| | | | | 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 | 2,900 | | | | | 1,740 (185) | | | | | |
| | | | 4,000 | 3,310 (185) | | | | | | | | | | | | | |
| 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 | | | | | | | 2,900 | 1,740 (185) | | |
| | | | | 352196 (PP) | C | φ 17×120 | 6,000 | | | | | | | | | 4,000 | 3,310 (185) |
| | | | | | | | | | | | | | | | | | |
| B438-96 | — | — | — | Microplate | — | — | — | d | — | 1×4 | — | — (—) | * 1 | | | | |

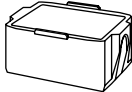
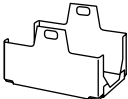
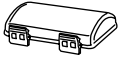
* 1 Prior to centrifugation, check the durability of plates in use.

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.

TS-41C

| | |
|------------------|-----------|
| Applicable model | LCX-200 |
| 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.

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.