# **Lab Companion**



Efficient use of laboratory space

# **Incubated Shakers**



# **Incubated Shakers**

#### > Do you want to control your laboratory equipment remotely?

Monitor and control your lab equipment in real-time - anytime, anywhere- using only a smartphone.





Stackable type - ISS Stackable up to 3 units



Floor type - ISF
Large capacity



**Tabletop type - IST**For small lab space

#### **High Performance**

#### > Wide speed range at a heavy load

- · Application of DD(Direct Drive) motor and Triple Cam System allow a stable shaking speed at heavy loads, Provides high torque, low vibration and stable shaking at high speed level. (ISF-7100/7200, ISS-7100/7200 models)
- · Smooth, quiet, and uniform shaking even at strong shaking operation with an easy maintenance BLDC motor. (IST-3075/4075, ISS-3075/4075 models)

# Patented Powerful DD motor for large-capacity shaking The triple cam system provides stable operation with high load samples. (patent registration: 10-1678160)

#### > Wide temperature control range, and outstanding temperature uniformity

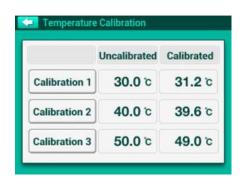
- · A high-speed fan ensures a uniform temperature variation and rapid temperature recovery after the door opens.
- · Outstanding temperature uniformity with a sealed silicon on the door.

#### > Features for precise control of temperature and shaking

- · Available to precise temperature control with 3-point calibration.
- · Stable heating and shaking control by Microprocessor PID controller.
- · Auto-tuning function to minimize the impact of the ambient temperature.

#### > Structural features

- $\cdot \ \, \text{Three operating modes: Temperature \& Shaking, Temperature, or Shaking.}$
- · Easy observation with a high-brightness/low-consumption LED lamp.
- · Interior of stainless steel material with strong corrosion resistance.































#### Convenience

- · Intuitive LCD touch screen controller with easy icons and a logical menu layout.
- · Count-down timer with easy setup.
- · Convenient PC communication with RS-232 and USB port for the external operation and data collection.
- · Two-way communication, status check, data recording, and storage.
- · Cleanliness and maintenance by a Spill drain port with an easy-to-open valve.
- The platform stops where it starts, which is useful for repetitive tests to be enhanced reproducibility. Suitable for the automated administration or sampling processes.
- · Convenient observation of samples without affecting the environment in the chamber and easy structure for quick attach/detach of samples.





#### **Safety**

- · Safe testing environment by the smooth acceleration and deceleration control.
- · Smooth shaking start and stop control prevents the leakage of chemicals from flasks or test tubes.
- Check the belt when the platform is not working properly.
   (Not provided for ISS-7000, ISF series)
- Automatic rpm adjustment when device instability occurs.
  (High rpm, overload, weight imbalance, etc.)
- · Automatic run when it gets power back after power failure.
- · Alarm when deviations occur in temperature and shaking speed.
- · Overcurrent protection.
- · Mechanical over-temperature limiter. (High)
- · Environment-friendly CFC-free refrigerant.
- · Audible and visible door opening alarm.

\* Some of the above contents are limited to specific models.



Color LCD touch screen.



USB, RS-232 connection port provided.



Spill drain port for clean internal management.



Easy to attach and detach large-volume sample (ISF) thanks to the inclined structure. (registered design 30-2014-0060254)



Viewing window and LED lighting for internal observation.



Safe use with over temperature protection function.

# **Incubated Shakers** Multi-stackable type

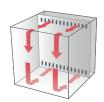


# Stackable up to 3 units for the maximum space efficiency

ISS Multi-stackable type is recommended to those who want to make the most efficient use of limited space, it can be placed 3 units in a minimal space. Shaking performance up to 250rpm is guaranteed even with 3 stacked units.

- · The 198L chamber fits up to six of 4L flasks and thirty-nine of 250ml flasks. When 3 units are stacked, the capacity increases threefold.
- · Lift-up door and rail-type platform for easier sample loading.
- · Stand is an optional accessory that enhances user convenience. The height of the Incubated Shaker can be adjusted to the user's height, providing a more ergonomic laboratory environment.
- · Casters are provided basically for easy moving.
- · Electronic/Mechanical over-temperature limiters.
- · Applied a direct drive motor that has outstanding durability, a 5-year warranty of the motor.

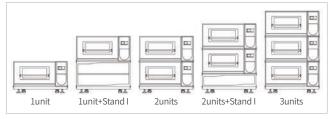




Internal airflow



ISS-7100R / 7200 / 7200R



A variety of stacking combinations.

Model	ISS-7100	ISS-7100R	ISS-7200	ISS-7200R					
Temperature									
Range (°C / °F) <sup>1)</sup>	Amb. +10 to 80	Amb20 (Min. 4) to 80	Amb. +10 to 80	Amb20 (Min. 4) to 80					
	/ Amb. +18 to 176	/ Amb36 (Min. 7.2) to 176	/ Amb. +18 to 176	/ Amb36 (Min. 7.2) to 176					
Fluctuation at 37°C in flask (±°C / °F)	0.1 / 0.18	0.1 / 0.18	0.1 / 0.18	0.1 / 0.18					
Variation at 37°C in flask (±°C / °F)	0.6 / 1.08	0.5 / 0.90	0.6 / 1.08	0.5 / 0.90					
Refrigerator (Hp)	-	1/6	-	1/6					
Shaking system									
Motion type	Orbital	Orbital	Orbital	Orbital					
Speed range (rpm)	30 to 400 (stackable : 30 to 250)	30 to 400 (stackable : 30 to 250)	30 to 300 (stackable : 30 to 200)	30 to 300 (stackable : 30 to 200)					
	1 unit only 400 (max. 20 kg / 44.1 lbs)	1 unit only 400 (max. 20 kg / 44.1 lbs)	1 unit only 300 (max. 20 kg / 44.1 lbs)	1 unit only 300 (max. 20 kg / 44.1 lbs)					
Max. speed per permissible load (rpm)	Stacked units 250 (max. 15 kg / 33.1 lbs) 200 (max. 20 kg / 44.1 lbs)	Stacked units 250 (max. 15 kg / 33.1 lbs) 200 (max. 20 kg / 44.1 lbs)	Stacked units 200 (max. 15 kg / 33.1 lbs) 150 (max. 20 kg / 44.1 lbs)	Stacked units 200 (max. 15 kg / 33.1 lbs) 150 (max. 20 kg / 44.1 lbs)					
Amplitude size (mm / inch, dia.)	25.4 / 1	25.4 / 1	50.8 / 2	50.8 / 2					
Speed stability <sup>2)</sup> (rpm, %)	±1	±1	±1	±1					
Timer (count-down)	999 hr 59 min.	999 hr 59 min.	999 hr 59 min.	999 hr 59 min.					
Dimension (1 unit)									
Chamber volume (L / cu ft)	198 / 7.0	198 / 7.0	198 / 7.0	198 / 7.0					
Platform (W x D, mm / inch)	755 x 520 / 29.7 x 20.5	755 x 520 / 29.7 x 20.5	755 x 520 / 29.7 x 20.5	755 x 520 / 29.7 x 20.5					
Interior (W x D x H, mm / inch)	809 x 624 x 393 / 31.9 x 24.6 x 15.5	809 x 624 x 393 / 31.9 x 24.6 x 15.5	809 x 624 x 393 / 31.9 x 24.6 x 15.5	809 x 624 x 393 / 31.9 x 24.6 x 15.5					
Exterior (W x D x H, mm / inch) <sup>3)</sup>	1 unit; 1307 x 996 x 755 / 51.5 x 39.2 x 29.7 1 unit+stand-l or 2 units stacked; 1307 x 996 x 1355 / 51.5 x 39.2 x 53.3 2 units+stand-ll stacked; 1307 x 996 x 1655 / 51.5 x 39.2 x 65.2 3 units stacked; 1307 x 996 x 1955 / 51.5 x 39.2 x 77.0								
Net weight (Kg / lbs)	300 / 661.4	320 / 705.5	300 / 661.4	320 / 705.5					
Electrical requirements (230V, A)	60Hz, 3.7 50Hz, 3.7	60Hz, 5.6 50Hz, 5.6	60Hz, 3.7 50Hz, 3.7	60Hz, 5.6 50Hz, 5.6					
Cat. No.	AAH238131K AAH238132K	AAH238231K AAH238232K	AAH239131K AAH239132K	AAH239231K AAH239232K					
Electrical requirements (120V, A)	60Hz, 7.1	60Hz,10	60Hz, 7.1	60Hz,10					
Cat. No.	AAH238115U	AAH238215U	AAH239115U	AAH239215U					

<sup>1)</sup> The temperature control range of the ISS-7100 and ISS-7200 models are from 10°C above the ambient temperature of the equipment. (15°C to 40°C) to 80°C. The temperature control range of the ISS-7100R and ISS-7200R models are from 20°C below the ambient temperature (18°C to 35°C) of the device to 80°C. (However, the lowest control temperature is 4°C)
2) Actual rpm allowable error for set rpm is 1rpm if setting is less than 100rpm, ±1% if setting is higher than 100rpm.
3) Product height: 600mm, height of Stand I: 600mm, height of Stand II: 300mm, height of wheel attachment: 155mm.

# **Incubated Shakers**Stackable type

### Stackable up to 2 units

ISS Stackable type is recommended to those who want to make the most efficient use of limited space, it can be placed 2 units in a minimal space. Shaking performance up to 250rpm is guaranteed even with 2 stacked units.

- · Transparent observation window with a bright LED lamp for sample observation without affecting the chamber's internal environment.
- · Two height-adjustable shelves are provided to increase sample capacity, and it let the user use as like Temperature chambers or Refrigerators.
- · Powerful shaking speed up to 500rpm.
- $\cdot$  Use of easily maintained BLDC motor, allowing smooth, silent, and uniform shaking, even at strong shaking operation.
- · Includes internal power outlet with a safety cover.
- · Retractable casters for easy moving. (Optional)
- · Electronic/Mechanical over-temperature limiters.



**ISS-3075R** 







Internal airflow

2 stacked units

Model	ISS-3075		ISS-3075R		ISS-4075		ISS-4075R	
Temperature								
Range (°C / °F)	Amb. +5 to 80 / Amb. +9 to 176		Amb20 (Min. 4) to 80 / Amb36 (Min. 7.2) to 176		Amb. +5 to 80 / Amb. +9 to 176		Amb20 (Min. 4) to 80 / Amb36 (Min. 7.2) to 176	
Fluctuation at 37°C in flask (±°C/°F)	0.1 / 0.18		0.1 / 0.18		0.1 / 0.18		0.1 / 0.18	
Variation at 37°C in flask (±°C / °F)	0.5 / 0.9		0.5 / 0.9		0.5 / 0.9		0.5 / 0.9	
Refrigerator (Hp)	-		1/6		-		1/6	
Shaking system								
Motion type	Orbital		Orbital		Orbital	Orbital		
Speed range (rpm)	20 to 500 (stackable : 20 to 250)		20 to 500 (stackable : 20 to 250)		20 to 500 (stackable : 20 to 250)		20 to 500 (stackable : 20 to 250)	
Max. speed per permissible load (rpm)	500 (max. 10 kg / 22.0 lbs) 400 (max. 15 kg / 33.1 lbs) 250 (max. 15 kg / 33.1 lbs) - Stacked		500 (max. 10 kg / 22.0 lbs) 400 (max. 15 kg / 33.1 lbs) 250 (max. 15 kg / 33.1 lbs) - Stacked		500 (max. 10 kg / 22.0 lbs) 400 (max. 21 kg / 46.3 lbs) 250 (max. 21 kg / 46.3 lbs) - Stacked		500 (max. 10 kg / 22.0 lbs) 400 (max. 21 kg / 46.3 lbs) 250 (max. 21 kg / 46.3 lbs) - Stacked	
Amplitude size (mm / inch, dia.)	19.1 / 0.75		19.1 / 0.75		19.1 / 0.75		19.1 / 0.75	
Speed stability <sup>2)</sup> (rpm, %)	±1		±1		±1		±1	
Timer (count-down)	999hr 59min		999hr 59min		999hr 59min		999hr 59min	
Dimension								
Chamber volume (L / cu ft)	80 / 2.8		80 / 2.8		150 / 5.3		150 / 5.3	
Platform (W x D, mm / inch)	350 x 350 / 1	.3.8 x 13.8	350 x 350 / 13.8 x 13.8		450 x 450 / 17.7 x 17.7		450 x 450 / 17.7 x 17.7	
Interior (W x D x H, mm / inch)	440 x 440 x 418 / 17.3 x 17.3 × 16.5		440 x 440 x 418 / 17.3 x 17.3 x 16.5		540 x 540 x 518 / 21.3 x 21.3 x 20.4		540 x 540 x 518 / 21.3 x 21.3 x 20.4	
Exterior (W x D x H, mm / inch)	578 x 815 x 854 / 22.8 x 32.1 x 33.6		578 x 815 x 854 / 22.8 x 32.1 x 33.6		678 x 895 x 934 / 26.7 x 35.2 x 36.8		678 x 895 x 934 / 26.7 x 35.2 x 36.8	
Quantity of shelves (standard/max.)	2/8		2/8		2 / 11		2 / 11	
Net weight (Kg / Ibs)	153 / 337.3		160 / 352.7		183 / 403.4		190 / 418.9	
Electrical requirements (230V, A)	60Hz, 6.2	50Hz, 6.2	60Hz, 7.9	50Hz, 7.9	60Hz, 6.2	50Hz, 6.2	60Hz, 7.9	50Hz, 7.9
Cat. No.	AAH23431K	AAH23432K	AAH23531K	AAH23532K	AAH23631K	AAH23632K	AAH23731K	AAH23732K
Electrical requirements (120V, A)	60Hz, 9.5		60Hz, 13		60Hz, 9.5		60Hz, 13	
Cat. No.	AAH2	3415U	415U AAH23515U		AAH23615U		AAH23715U	

<sup>1)</sup> The temperature control range of the ISS-3075 and ISS-4075 models are from 5°C above the ambient temperature (15°C to 40°C) to 80°C. The temperature control range of the ISS-3075R and ISS-4075R models is from 20°C lower than the ambient temperature. (18°C to 35°C) of the device to 80°C. (However, the lowest control temperature is 4°C)

<sup>2)</sup> Actual rpm allowable error for set rpm is  $\pm 1$ rpm if setting is less than 100rpm,  $\pm 1$ % if setting is higher than 100rpm.

# **Incubated Shakers**Tabletop type

### **Convenient sample observation**

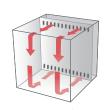
IST is suitable to use on a table and recommended to a user who wants to observe samples during incubating through a lift-up transparent acrylic door and an internal LED lamp.

- Front panel design for easy device control.
   Inclined front panel design to make a good visibility and convenient control of the controller.
- · Door structure considering easy sample loading.
  - Lift-up door for more efficient use of space and convenient sample removal and installation.
  - Gas spring lid supports for smooth opening and closing.
- · Powerful shaking performance up to 500rpm.
- · Use of easily maintained BLDC motor, allowing smooth, silent, and uniform shaking, even at strong shaking operation.
- · Mechanical over-temperature limiters.



IST-3075R







Internal airflow

Lift-up door type

Model	IST-	3075	IST-3	075R	IST-	4075	IST-4	075R	
Temperature									
Range (°C / °F)	Amb. +5 to 80 / Amb. +9 to 176		Amb15 (Min. 15) to 80 / Amb27 (Min. 27) to 176		Amb. +5 to 80 / Amb. +9 to 176		Amb15 (Min. 15) to 80 / Amb27 (Min. 27) to 176		
Fluctuation at 37°C in flask (±°C/°F)	0.1 / 0.18		0.1 / 0.18		0.1 / 0.18		0.1 / 0.18		
Variation at 37°C in flask $(\pm^{\circ}C/^{\circ}F)$	0.5 / 0.90		0.5 / 0.90		0.5 / 0.90		0.5 / 0.90		
Refrigerator (Hp)	-		1/6		-		1/6		
Shaking system									
Motion type	Orbital		Orbital		Orbital		Orbital		
Speed range (rpm)	20 to 500								
Max. speed per permissible load (rpm)	500 (max. 10 kg / 22.0 lbs) 400 (max. 15 kg / 33.1 lbs)		500 (max. 10 kg / 22.0 lbs) 400 (max. 15 kg / 33.1 lbs)		500 (max. 14 kg / 30.9 lbs) 400 (max. 21 kg / 46.3 lbs)		500 (max. 14 kg / 30.9 lbs) 400 (max. 21 kg / 46.3 lbs)		
Amplitude size (mm / inch, dia.)	19.1 / 0.75		19.1 / 0.75		19.1 / 0.75		19.1 / 0.75		
Speed stability <sup>2)</sup> (rpm, %)	±1		±1		±1		±1		
Timer (count-down)	999 hr 59 min.								
Dimension									
Chamber volume (L / cu ft)	53 / 1.9		53 / 1.9		83 / 2.9		83 / 2.9		
Platform (W x D, mm / inch)	350 x 350 / 1	350 x 350 / 13.8 x 13.8		350 x 350 / 13.8 x 13.8		450 x 450 / 17.7 x 17.7		450 x 450 / 17.7 x 17.7	
Interior (W x D x H, mm / inch)	410 x 410 x 320 / 16.1 x 16.1 x 12.6		410 x 410 x 320 / 16.1 x 16.1 x 12.6		510 x 510 x 320 / 20.1 x 20.1 x 12.6		510 x 510 x 320 / 20.1 x 20.1 x 12.6		
Exterior (W x D x H, mm / inch)	440 x 785 x 510 / 17.3 x 30.9 x 20.1		440 x 785 x 510 / 17.3 x 30.9 x 20.1		540 x 890 x 510 / 21.3 x 35 x 20.1		540 x 890 x 510 / 21.3 x 35 x 20.1		
Net weight (Kg / lbs)	65 / 143.3		73 / 160.9		81 / 178.6		90 / 198.4		
Electrical requirements (230V, A)	60Hz, 4	50Hz, 4	60Hz, 5.5	50Hz, 5.5	60Hz, 4	50Hz, 4	60Hz, 5.5	50Hz, 5.5	
Cat. No.	AAH23411K	AAH23422K	AAH23511K	AAH23522K	AAH23611K	AAH23622K	AAH23711K	AAH23722K	
Electrical requirements (120V, A)	60Hz, 7.5		60Hz, 10.1		60Hz, 7.5		60Hz, 10.1		
Cat. No.	AAH23465U		AAH23565U		AAH23665U		AAH23765U		

<sup>1)</sup> The temperature control range of the IST-3075 and IST-4075 models are from 5°C above the ambient temperature of the equipment. (15°C to 40°C) to 80°C The temperature control range of the IST-3075R and IST-4075R models are from 15°C below the ambient temperature (18°C to 35°C) of the device to 80°C. (However, the lowest control temperature is 15°C)

device to 80°C. (However, the lowest control temperature is 15°C) 2) Actual rpm allowable error for set rpm is  $\pm 1$ rpm if setting is less than 100rpm,  $\pm 1$ % if setting is higher than 100rpm.

# **Incubated Shakers** Floor type

## **Optimal solution for mass culturing**

ISF has a big capacity as five of 6L flasks are installed simultaneously, so it is suitable for mass culturing.

- · Transparent viewing window with LED lamps.
- $\cdot$  Slight inclined door to observe samples easily in the chamber.
- · Gas spring lid supports for smooth opening and closing.
- · Easy moving for an installation or relocation, with sturdy casters.
- · Electronic/Mechanical over-temperature limiters.
- · Application of DD(Direct Drive) motor and Triple Cam System allow a stable shaking speed at heavy loads, Provides high torque, low vibration and stable shaking at high speed level.









Internal airflow

Easy to attach and detach large volume sample thanks to the inclined lid structure. (Registered design 30-2014-0060254)

Model	ISF-7100	ISF-7100R ISF-7200		ISF-7200R			
Temperature							
Range (°C / °F)	Amb. +5 to 80 / Amb. +9 to 176	Amb20 (Min. 4) to 80 Amb. +5 to 80 / Amb36 (Min. 7.2) to 176 / Amb. +9 to 176		Amb20 (Min. 4) to 80 / Amb36 (Min. 7.2) to 176			
Fluctuation at 37°C in flask (±°C/°F)	0.1 / 0.18	0.1 / 0.18		0.1 / 0.18	0.1 / 0.18		
Variation at 37°C in flask (±°C / °F)	0.5 / 0.90	0.5 / 0.90		0.5 / 0.90	0.5 / 0.90		
Refrigerator (Hp)	-	1/6		-	1/6		
Shaking system							
Motion type	Orbital	Orbital		Orbital	Orbital		
Speed range (rpm)	30 to 500	30 to 500		30 to 300	30 to 300		
Max. speed per permissible load (rpm)	500 (max. 15 kg / 33.1 lbs) 400 (max. 25 kg / 55.1 lbs) 350 (max. 35 kg / 77.2 lbs)	500 (max. 15 kg / 33.1 lbs) 400 (max. 25 kg / 55.1 lbs) 350 (max. 35 kg / 77.2 lbs)		300 (max. 20 kg / 44.1 lbs) 200 (max. 35 kg / 77.2 lbs)	300 (max. 20 kg / 44.1 lbs) 200 (max. 35 kg / 77.2 lbs)		
Amplitude size (mm / inch, dia.)	25.4 / 1	25.4 / 1		50.8 / 2 50.8 / 2			
Speed stability <sup>2)</sup> (rpm, %)	±1	±1		±1	±1		
Timer (count-down)	999 hr 59 min.	999 hr 59 min.		999 hr 59 min.	999 hr 59 min.		
Dimension							
Chamber volume (L / cu ft)	270 / 9.5	270 / 9.5		270 / 9.5	270 / 9.5		
Platform (W x D, mm / inch)	755 x 520 / 29.7 x 20.5	755 x 520 / 2	29.7 x 20.5	755 x 520 / 29.7 x 20.5	755 x 520 / 29.7 x 20.5		
Interior (W x D x H, mm / inch)	894 x 634 x 480 / 35.2 x 25 x 18.9	894 x 634 x 480 / 35.2 x 25 x 18.9		894 x 634 x 480 / 35.2 x 25 x 18.9	894 x 634 x 480 / 35.2 x 25 x 18.9		
Exterior (W x D x H, mm / inch)	1128 x 854 x 1035 / 44.4 x 33.6 x 40.8	1128 x 854 x 1035 / 44.4 x 33.6 x 40.8		1128 x 854 x 1035 / 44.4 x 33.6 x 40.8	1128 x 854 x 1035 / 44.4 x 33.6 x 40.8		
Net weight (Kg / lbs)	277 / 610.7	287 / 632.7		277 / 610.7 287 / 632			
Electrical requirements (230V, A)	50 / 60Hz, 3.7	60Hz, 5.6	50Hz, 5.6	50 / 60Hz, 3.7	60Hz, 5.6 50Hz, 5.		
Cat. No.	AAH23342K	AAH23542K	AAH23541K	AAH23442K	AAH23642K	AAH23641K	
Electrical requirements (120V, A)	60Hz, 7.3	60Hz, 10		60Hz, 7.3 60Hz, 1		0Hz, 10	
Cat. No.	AAH23375U	AAI	H23575U	AAH23475U	3475U AAH23675U		

<sup>1)</sup> The temperature control range of the ISF-7100 and ISF-7200 models are from 5°C above the ambient temperature of the equipment. (15°C to 40°C) to 80°C The temperature control range of the ISF-7100R and ISF-7200R models are from 20°C below the ambient temperature (18°C to 35°C) of the device to  $80^{\circ}$ C. (However, the lowest control temperature is  $4^{\circ}$ C) 2) Actual rpm allowable error for set rpm is  $\pm 1$ rpm if setting is less than 100rpm,  $\pm 1\%$  if setting is higher than 100rpm.

#### **Universal Platform**



#### **Universal Platform**

Basic accessories required to use Erlenmeyer flasks, test tubes, separated funnels, etc.

#### Accessories for Universal Platform



#### Flask Clamp (SUS / Plastic)

Erlenmeyer flask mounting (50ml – 6L) High-strength spring maintains excellent clamping.



#### Starter Kit

Consisting of plastic clamps that are commonly used on Universal Platforms. 50ml, 100ml, 250ml, 500ml, 1L, 2L.



#### Funnel Clamp

Separated funnel mounting (250 ml - 2L) Easy detachment/attachment and stable clamping.



#### **Test Tube Rack**

Test tube mounting (Φ8 mm - Φ35 mm) Easily adjustable angle.



#### Microplate Holder

Various options for Microplate Single, Tower, Flat A (Large), Flat B (Small)



#### Lab Sticker

Excellent adhesion as size is 200x200mm, allowing for application to petri dishes, cultaure bottles, etc. Temp. Range (°C): 15~60 Max. Speed (rpm): 250

#### LC GreenBox



#### LC GreenBox

Monitor the operation status of the device in real time via the mobile app with a simple internet connection.

#### **Set Accessories**



#### **Spring Wire Rack**

Fixed with 2-stage grid springs to accommodate various sample container



#### **Dedicated Platform**

Accessories (250 mL, 500 mL) installed on platform with maximum quantity of flask clamps.



#### **Rubber Mat**

Convenient for use with culture bottles and petri dishes with rubber mat to prevent slipping on the bottom.



#### **Universal Attachment**

Rubber mat on the bottom and adjustable clamping rod make it a convenient structure for a wide range of applications.



#### Wire Shelve

Shelf and its bracket enabling sample loading. (applied to ISS-3075(R)/4075(R) series)



#### **Retractable Foot Caster**

Device that makes it easy to move/fix. (applied to ISS-3075(R)/4075(R) series)



#### Stand 1 & 2

When using 1 unit of the ISS-7000 model or when using more than 2 units stackable, different height of stands provide convenient access to a platform.



#### **Stacking Kit**

Fixing tool for stacked units. Applied to ISS series models.

\* Please refer to the website or ask your sales representative to be informed of the available rack types and clamp quantities on the Universal Platform and Spring Wire Rack.

#### **Lab Companion Korea**

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