



Centrifugation

H-Flex 1 Swinging Bucket Rotor

Spin more with less










High capacity and convenience

Increased flexibility in Thermo Scientific™ 1.6 L general purpose benchtop centrifuges

You can switch from spinning tubes to microplates without having to change rotors. The Thermo Scientific™ H-Flex™ 1 Swinging Bucket Rotor allows for high-capacity sample separation in conical tubes, blood tubes, and microplates in one rotor for small-footprint general purpose centrifuges. Help save time and valuable storage space, and improve your ergonomic safety by reducing the number of rotor changes required for your work.

The H-Flex 1 rotor comes with:

- Thermo Scientific™ Auto-Lock™ Rotor Exchange—simple, one-click rotor installation and removal
- Thermo Scientific™ ClickSeal™ Biocontainment Lids for glove-friendly, one-handed open/close capability
- Slide-coat finish to eliminate the need for lubrication between the rotor cross and buckets

Tube/plate capacities		Enhanced capacity	Original capacity
			 
		H-Flex 1 Swinging Bucket Rotor	TX-400 4 x 400 mL Swinging Bucket Rotor M-20 Microplate Swinging Bucket Rotor
	Nunc/BD/Corning 50 mL conical tube	16 (2 x 8)	16 (4 x 4)
	Nunc/BD/Corning 15 mL conical tube	36 (2 x 18)	36 (4 x 9)
	BD/Greiner 10/12 mL blood tube	66 (2 x 33)	56 (4 x 14)
	BD/Greiner 5/7 mL blood tube	84 (2 x 42)	76 (2 x 17)
	Microplate	10 (2 x 5)	6 (2 x 3)
	Deep well plate	2 (2 x 1)	2 (2 x 1)

General purpose centrifuge speed ratings for the H-Flex 1 Swinging Bucket Rotor

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
Compatible with Thermo Scientific™ Sorvall™ X1/X1R Pro, ST1/ST1R Plus, Multifuge™ X1/X1R Pro, Megafuge™ ST1/ST1R Plus, and SL1/SL1R Plus Centrifuges	4,700	4,297

Components of the H-Flex 1 Swinging Bucket Rotor and adapter specifications

Description		Image	Cat. No.
H-Flex 1 Rotor Cross (buckets and lids sold separately)		1	75003300
H-Flex 1 Rotor Buckets, set/2		2	75003301
H-Flex 1 Rotor Biocontainment Lids, set/2		3	75003302
H-Flex 1 Rotor Replacement O-Rings, set/2			75003309
Adapters for H-Flex 1 Swinging Bucket Rotor, set/2	Rotor capacity (places x volume, mL)	Maximum tube dimensions (diameter x L, mm)	
50 mL Conical Tube Adapter	16 x 50 mL	30 x 126	4 75003303
15 mL Conical Tube Adapter	36 x 15 mL	17 x 121	5 75003304
10/12 mL Blood Collection Tube Adapter (16 x 100)	66 x 10/15 mL	16 x 133	6 75003305
5/7 mL Blood Collection Tube Adapter (13 x 75–100 mm)	84 x 5/7 mL	13 x 10	7 75003306
H-Flex 1 Rotor Microplate Adapter	10 x standard, 2 x Deep well	<77mm, <44mm	8 75003307
400 mL Bottle/Centri-lab BIOLink Adapter*	NA	NA	9 75003308

* A software update requiring a service call by your Thermo Fisher Scientific representative may be required. Please contact your salesperson for more information; 400 mL Bottle/Centri-lab Adapter maximum speed is 3,800 rpm and 2,800 x g.



Image 1.
H-Flex 1 Rotor Cross



Image 2.
Rotor cross shown with H-Flex 1 Rotor Buckets (rotor cross is sold separately, see above for selection)

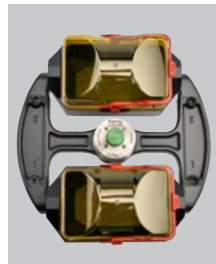


Image 3.
Rotor cross shown with buckets and H-Flex 1 Rotor Biocontainment Lids (buckets and rotor cross sold separately, see above for selection)



Image 4.
50 mL Conical Tube Adapter



Image 5.
15 mL Conical Tube Adapter



Image 6.
10/12 mL Blood Collection Tube Adapter



Image 7.
5/7 mL Blood Collection Tube Adapter

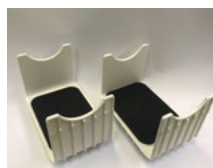


Image 8.
H-Flex 1 Rotor Microplate Adapter

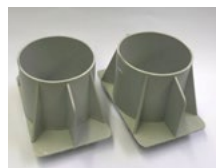
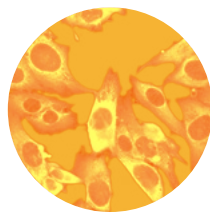
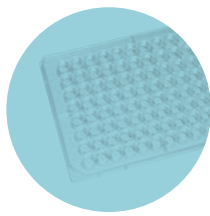
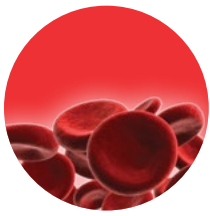


Image 9.
400 mL Bottle/Centri-lab BIOLink Adapter

Rotor packages for specific applications

Blood tubes, microplate or cell culture focus



Ordering information for packages

Description	Cat. No.
Thermo Scientific H-Flex Blood Tube Package	75016100
Includes:	
H-Flex 1 rotor (cat. no. 75003300)	
Set of 2 H-Flex 1 buckets (cat. no. 75003301)	
Set of 2 H-Flex 1 lids (cat. no. 75003302)	
Set of 2 adapters 33 x 10/12 ml blood tubes (cat. no. 75003305)	
Set of 2 adapters 42 x 5/7 ml blood tubes (cat. no. 75003306)	
Thermo Scientific H-Flex Microplate Package	75016101
Includes:	
H-Flex 1 rotor (cat. no. 75003300)	
Set of 2 H-Flex 1 buckets (cat. no. 75003301)	
Set of 2 H-Flex 1 lids (cat. no. 75003302)	
Set of 2 microplate carriers, 5 standard, 1 deep well (cat. no. 75003307)	
Thermo Scientific H-Flex Cell Culture Package	75016102
Includes:	
H-Flex 1 rotor (cat. no. 75003300)	
Set of 2 H-Flex 1 buckets (cat. no. 75003301)	
Set of 2 H-Flex 1 lids (cat. no. 75003302)	
Set of 2 adapters 8 x 50 ml conical (cat. no. 75003303)	
Set of 2 adapters 18 x 15 ml conical (cat. no. 75003304)	

Other rotor innovations

Increased choices

- LEX rotor design offers additional ergonomics, safety, and performance features
- Microliter rotor enables compatibility with shorter 5 mL centrifuge tubes



Thermo Scientific™
Fiberlite™ F10-6 x 100
LEX Fixed-Angle Rotor



Thermo Scientific™
MicroClick 18 x 5 Fixed
Angle Microtube Rotor

Ordering information

Description	Cat. No.
Fiberlite F10-6 x 100 LEX Fixed-Angle Rotor, 45-degree angle	75003340
MicroClick 18 x 5 Fixed Angle Microtube Rotor	75005765

Find out more at thermofisher.com/rotors

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