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Thermo Scientific ClipTip Pipetting System

Sealed in security. Feel the difference.

Selection Guide



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Worry-free pipetting is finally here

Eliminate the frustration of banging tips on your pipette

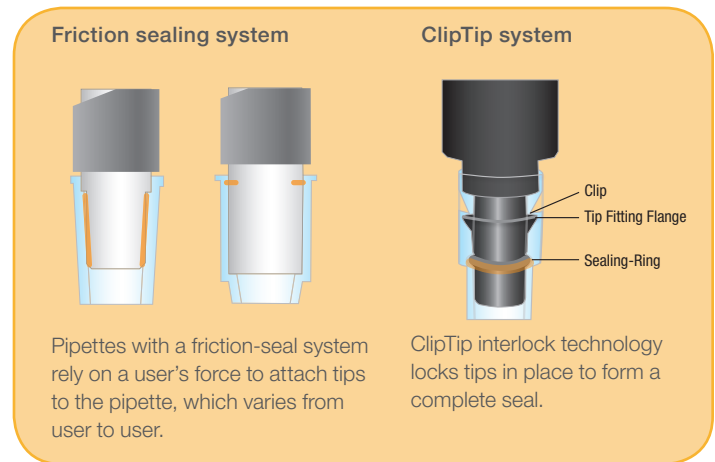
With a light touch, each tip is clipped securely on the pipette.

Reduce the risk of loose or leaking tips

When Thermo Scientific™ ClipTip™ Pipette Tips are on, they are sealed and will not loosen. The ClipTip Pipetting System remains sealed until you decide to eject tips, even in the most comprehensive applications, including multiple tip touches and mixing cycles. This enables consistent and reproducible pipetting results from user to user.

ClipTip Pipette Tips

- Tips that clip securely on the pipette.
- Versatile product range with 12.5-1250 µL 96-format tips and 12.5-125µl 384-format tips.
- Several packaging options from racked to environmentally friendly and space saving reload towers.
- All ClipTip tips are certified free of RNase, DNase, DNA, ATP and endotoxin contamination.
- Low retention technology minimizes liquid retention, and enable maximum sample recovery. Available in ClipTip 20-1250 96-format tips.
- Convenient color coding makes it easy to find the compatible F1-ClipTip or E1-ClipTip pipettes.
- Extended length tips available in CT12.5 Ext and CT300 Ext sizes to help enable better reach with specific labware formats.



F1-ClipTip™ Manual Pipettes

- Interlocking ClipTip technology provides a secure seal on every channel.
- Extremely light tip attachment and ejection forces to help reduce strain injuries.
- Effortless and secure volume adjustment with light and soundless volume adjustment mechanism and volume lock.
- Light-weight handle design with adjustable finger rest.
- Complete range of single, 8- and 12-channel pipettes within volume range of 0.1-1000 µL.

E1-ClipTip™ Electronic Pipettes

- Interlocking ClipTip technology provides a secure seal on every channel.
- Adjustable tip-spacing combined with the electronic tip ejection, and index finger operation ensures more ergonomic and efficient pipetting experience.
- An intuitive personalized user-interface makes even the most complex protocols easier, and efficient to complete.
- Versatile product range from single, 8-, 12- and 16-channel to 6-12-channel adjustable tip spacing pipettes.

F1-ClipTip manual pipettes and ClipTip pipette tips ordering information

Color key/description	Volume range, μL	Increment/Packaging	Cat. No.
2/10 μL Pipettes			
Increment			
• F1-ClipTip 0.1-2 μL	0.1-2 μL	0.002 μL	4641310N
• F1-ClipTip 1-10 μL	1-10 μL	0.02 μL	4641320N
• F1-ClipTip 8-ch 1-10 μL	1-10 μL	0.02 μL	4661210N
• F1-ClipTip 12-ch 1-10 μL	1-10 μL	0.02 μL	4661220N
12.5 Ext μL Tips*			
Packaging			
• ClipTip 12.5 Ext	0.1-12.5 μL	Racked, 96 tips/rack, 10 racks/pack	94410060
• ClipTip 12.5 Ext	0.1-12.5 μL	Racked, Sterile, 96 tips/rack, 10 racks/pack	94410063
• ClipTip 12.5 Ext	0.1-12.5 μL	Racked, Filtered, Sterile, 96 tips/rack, 10 racks/pack	94420063
20 μL Pipettes			
Increment			
• F1-ClipTip 2-20 μL	2-20 μL	0.02 μL	4641180N
20 μL Tips†			
Packaging			
• ClipTip 20	1-20	Racked, 96 tips/rack, 10 racks/pack	94410210
• ClipTip 20	1-20	Racked, sterile, 96 tips/rack, 10 racks/pack	94410213
• ClipTip 20	1-20	Reload tower, 96 tips/insert, 10 inserts/pack	94410217
• ClipTip 20	1-20	Reload tower, sterile, 96 tips/insert, 10 inserts/pack	94410218
• ClipTip 20	1-20	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	94420213
• ClipTip 20	1-20	Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	94420218
50 μL Pipettes			
Increment			
• F1-ClipTip 5-50 μL	5-50	0.1 μL	4641190N
• F1-ClipTip 8-ch 5-50 μL	5-50	0.1 μL	4661120N
• F1-ClipTip 12-ch 5-50 μL	5-50	0.1 μL	4661160N
50 μL Tips			
Packaging			
• ClipTip 50	5-50	Racked, 96 tips/rack, 10 racks/pack	94410250
• ClipTip 50	5-50	Racked, sterile, 96 tips/rack, 10 racks/pack	94410253
• ClipTip 50	5-50	Reload tower, 96 tips/insert, 10 inserts/pack	94410257
• ClipTip 50	5-50	Reload tower, sterile, 96 tips/insert, 10 inserts/pack	94410258
• ClipTip 50	5-50	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	94420253
• ClipTip 50	5-50	Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	94420258
100 μL / 200 μL Pipettes			
Increment			
• F1-ClipTip 10-100 μL	10-100	0.2 μL	4641200N
• F1-ClipTip 20-200 μL	20-200	0.2 μL	4641210N
• F1-ClipTip 8-ch 10-100 μL	10-100	0.2 μL	4661130N
• F1-ClipTip 12-ch 10-100 μL	10-100	0.2 μL	4661170N
200 μL Tips			
Packaging			
• ClipTip 200	10-200	Racked, 96 tips/rack, 10 racks/pack	94410310
• ClipTip 200	10-200	Racked, sterile, 96 tips/rack, 10 racks/pack	94410313
• ClipTip 200	10-200	Reload tower, 96 tips/insert, 10 inserts/pack	94410317
• ClipTip 200	10-200	Reload tower, sterile, 96 tips/insert, 10 inserts/pack	94410318
• ClipTip 200	10-200	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	94420313
• ClipTip 200	10-200	Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	94420318

* CT 12.5 Ext tips and compatible F1-ClipTip pipettes utilize 'snap and seal' technology. All ClipTip pipette tips are low retention except for the CT12.5, CT12.5 Ext and 384-format tips.

† CT20 tips are also used with old F1-ClipTip 1-10 μL pipette models with catalogue numbers 4641170N, 4661110N, 4661150N and 4651190N.

● 10 μL / 12.5 μL / 20 μL
● 100 μL / 125 μL / 200 μL
● 850 μL / 1000 μL
● 30 μL / 50 μL
● 300 μL
● 1250 μL

F1-ClipTip Manual Pipettes and ClipTip Pipette Tips ordering information

Color key/description	Volume range, μL	Increment/Packaging	Cat. No.
300 μL Pipettes		Increment	
• F1-ClipTip 30-300 μL	30-300	1 μL	4641220N
• F1-ClipTip 8-ch 30-300 μL	30-300	1 μL	4661140N
• F1-ClipTip 12-ch 30-300 μL	30-300	1 μL	4661180N
300 μL Tips		Packaging	
• ClipTip 300	30-300	Racked, 96 tips/rack, 10 racks/pack	94410510
• ClipTip 300	30-300	Racked, sterile, 96 tips/rack, 10 racks/pack	94410513
• ClipTip 300	30-300	Reload tower, 96 tips/insert, 10 inserts/pack	94410517
• ClipTip 300	30-300	Reload tower, sterile, 96 tips/insert, 10 inserts/pack	94410518
• ClipTip 300	30-300	Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	94420513
• ClipTip 300	30-300	Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	94420518
• ClipTip 300 Ext	30-300	Racked, 96 tips/rack, 8 racks/pack	94410610
• ClipTip 300 Ext	30-300	Racked, sterile, 96 tips/rack, 8 racks/pack	94410613
• ClipTip 300 Ext	30-300	Reload tower, 96 tips/insert, 10 inserts/pack	94410617
• ClipTip 300 Ext	30-300	Racked, filtered, sterile, 96 tips/rack, 8 racks/pack	94420613
1000 μL Pipettes		Increment	
• F1-ClipTip 100-1000 μL **	100-1000	1 μL	4641230N
1000 μL Tips		Packaging	
• ClipTip 1000	100-1000	Racked, 96 tips/rack, 8 racks/pack	94410710
• ClipTip 1000	100-1000	Racked, sterile, 96 tips/rack, 8 racks/pack	94410713
• ClipTip 1000	100-1000	Reload tower, 96 tips/insert, 8 inserts/pack	94410717
• ClipTip 1000	100-1000	Reload tower, sterile, 96 tips/insert, 8 inserts/pack	94410718
• ClipTip 1000	100-1000	Racked, filtered, sterile, 96 tips/rack, 8 racks/pack	94420713
• ClipTip 1000	100-1000	Reload insert, filtered, sterile, 96 tips/insert, 8 inserts/pack	94420718

**Short Shaft

• 2 μL /10 μL / 12.5 μL / 20 μL	• 100 μL / 125 μL / 200 μL	• 850 μL / 1000 μL
• 30 μL / 50 μL	• 300 μL	• 1250 μL

F1-ClipTip manual fixed volume pipettes ordering information

Description	Volume Range, μL	Cat. No.
F1-ClipTip 10 μL	10 μL	4651280N
F1-ClipTip 20 μL	20 μL	4651200N
F1-ClipTip 25 μL	25 μL	4651210N
F1-ClipTip 50 μL	50 μL	4651220N
F1-ClipTip 100 μL	100 μL	4651230N
F1-ClipTip 200 μL	200 μL	4651240N
F1-ClipTip 250 μL	250 μL	4651250N
F1-ClipTip 500 μL **	500 μL	4651260N
F1-ClipTip 1000 μL **	1000 μL	4651270N

**Short Shaft

F1-ClipTip GLP Kit 2



F1-ClipTip Good Laboratory Pipetting (GLP) kits ordering information

Description	Contents of Kit	Cat. No.
F1-ClipTip GLP Kit 1	• F1-ClipTip 1-10 μL single channel • F1-ClipTip 10-100 μL single channel • F1-ClipTip 100-1000 μL single channel • F-Series Stand • ClipTip 12.5 Ext rack • ClipTip 200 rack • ClipTip 1000 rack • 25 mL reservoir • 25 mL divided reservoir • 100 mL divided reservoir	4701140N
F1-ClipTip GLP Kit 2	• F1-ClipTip 2-20 μL single channel • F1-ClipTip 20-200 μL single channel • F1-ClipTip 100-1000 μL single channel • F1-ClipTip 30-300 μL 8-channel • F-Series Stand • ClipTip 20 rack • ClipTip 200 rack • ClipTip 300 rack • ClipTip 1000 rack • 25 mL reservoir • 25 mL divided reservoir • 100 mL divided reservoir	4701150N

E1-ClipTip Electronic Pipettes** and ClipTip Pipette Tips ordering information

Color Key/Description	Volume Range, μL	Tip Spacing Range, mm	Increment/Packaging	Cat. No.
12.5 μL Pipettes*				
• E1-ClipTip 0.5-12.5 μL	0.5-12.5		Increment	4670000BT
• E1-ClipTip 8-ch 0.5-12.5 μL	0.5-12.5		0.01 μL	4671000BT
• E1-ClipTip 12-ch 0.5-12.5 μL	0.5-12.5		0.01 μL	4671010BT
12.5 μL Tips*				
• ClipTip 12.5	0.5-12.5		Packaging	94410040
• ClipTip 12.5	0.5-12.5		Racked, sterile, 96 tips/rack, 10 racks/pack	94410043
• ClipTip 12.5	0.5-12.5		Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	94420043
• ClipTip 12.5 Ext	0.5-12.5		Racked, 96 tips/rack, 10 racks/pack	94410060
• ClipTip 12.5 Ext	0.5-12.5		Racked, sterile, 96 tips/rack, 10 racks/pack	94410063
• ClipTip 12.5 Ext	0.5-12.5		Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	94420063
384, 12.5 μL Pipettes*				
• E1-ClipTip 16-ch 0.5-12.5 μL	0.5-12.5		Increment	4671020BT
• E1-ClipTip Equalizer 384 8-ch 0.5-12.5 μL	0.5-12.5	4.5-14.2	0.01 μL	4672010BT
• E1-ClipTip Equalizer 384 12-ch 0.5-12.5 μL	0.5-12.5	4.5-9.0	0.01 μL	4672020BT
384, 12.5 Tips*				
• ClipTip 384 12.5	0.5-12.5		Packaging	94410050
• ClipTip 384 12.5	0.5-12.5		Racked, sterile, 384 tips/rack, 10 racks/pack	94410053
• ClipTip 384 12.5	0.5-12.5		Racked, filtered, sterile, 384 tips/rack, 10 racks/pack	94420053
• ClipTip 384 12.5 Ext	0.5-12.5		Racked, 384 tips/rack, 10 racks/pack	94410070
• ClipTip 384 12.5 Ext	0.5-12.5		Racked, sterile, 384 tips/rack, 10 racks/pack	94410073
• ClipTip 384 12.5 Ext	0.5-12.5		Racked, filtered, sterile, 384 tips/rack, 10 racks/pack	94420073
384, 30 μL Pipettes*				
• E1-ClipTip 16-ch 1-30 μL	1-30		Increment	4671030BT
• E1-ClipTip Equalizer 384 8-ch, 1-30 μL	1-30	4.5-14.2	0.01 μL	4672030BT
• E1-ClipTip Equalizer 384 12-ch, 1-30 μL	1-30	4.5-9.0	0.01 μL	4672040BT
384, 30 μL Tips*				
• ClipTip 384 30	1-30		Packaging	94410100
• ClipTip 384 30	1-30		Racked, sterile, 384 tips/rack, 10 racks/pack	94410103
• ClipTip 384 30	1-30		Racked, filtered, sterile, 384 tips/rack, 10 racks/pack	94420103
125 μL Pipettes				
• E1-ClipTip 1-ch 2-125 μL	2-125		Increment	4670020BT
• E1-ClipTip 8-ch 2-125 μL	2-125		0.1 μL	4671040BT
• E1-ClipTip 12-ch 2-125 μL	2-125		0.1 μL	4671050BT
• E1-ClipTip Equalizer 8-ch 2-125 μL	2-125	9.0-14.2	0.1 μL	4672050BT
200 μL Tips				
• ClipTip 200	2-200		Packaging	94410310
• ClipTip 200	2-200		Racked, sterile, 96 tips/rack, 10 racks/pack	94410313
• ClipTip 200	2-200		Reload tower, 96 tips/insert, 10 inserts/pack	94410317
• ClipTip 200	2-200		Reload tower, sterile, 96 tips/insert, 10 inserts/pack	94410318
• ClipTip 200	2-200		Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	94420313
• ClipTip 200	2-200		Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	94420318
384, 125 μL Pipettes*				
• E1-ClipTip 16-ch 2-125 μL	2-125		Increment	4671060BT
• E1-ClipTip Equalizer 384 8-ch 2-125 μL	2-125	4.5-14.2	0.1 μL	4672060BT
• E1-ClipTip Equalizer 384 12-ch 2-125 μL	2-125	4.5-9.0	0.1 μL	4672070BT
384, 125 μL TIPS*				
• ClipTip 384 125	2-125		Packaging	94410150
• ClipTip 384 125	2-125		Racked, sterile, 384 tips/rack, 10 racks/pack	94410153
• ClipTip 384 125	2-125		Racked, filtered, sterile, 384 tips/rack, 10 racks/pack	94420153

● 2 μL /10 μL / 12.5 μL / 20 μL
● 100 μL / 125 μL / 200 μL
● 850 μL / 1000 μL

● 30 μL / 50 μL
● 300 μL
● 1250 μL

E1-ClipTip Electronic Pipettes** and ClipTip Pipette Tips ordering information

Color Key/Description	Volume Range, μL	Tip Spacing Range, mm	Increment/Packaging	Cat. No.
300 μL Pipettes			Increment	
• E1-ClipTip 1-ch 10-300 μL	10-300		0.1 μL	4670030BT
• E1-ClipTip 8-ch 10-300 μL	10-300		0.1 μL	4671070BT
• E1-ClipTip 12-ch 10-300 μL	10-300		0.1 μL	4671080BT
• E1-ClipTip Equalizer 8-ch 10-300 μL	10-300	9.0-14.2	0.1 μL	4672080BT
300 μL Tips			Packaging	
• ClipTip 300	10-300		Racked, 96 tips/rack, 10 racks/pack	94410510
• ClipTip 300	10-300		Racked, sterile, 96 tips/rack, 10 racks/pack	94410513
• ClipTip 300	10-300		Reload tower, 96 tips/insert, 10 inserts/pack	94410517
• ClipTip 300	10-300		Reload tower, Sterile, 96 tips/insert, 10 inserts/pack	94410518
• ClipTip 300	10-300		Racked, filtered, sterile, 96 tips/rack, 10 racks/pack	94420513
• ClipTip 300	10-300		Reload insert, filtered, sterile, 96 tips/insert, 10 inserts/pack	94420518
• ClipTip 300 Ext	10-300		Racked, 96 tips/rack, 8 racks/pack	94410610
• ClipTip 300 Ext	10-300		Racked, sterile, 96 tips/rack, 8 racks/pack	94410613
• ClipTip 300 Ext	10-300		Reload tower, 96 tips/insert, 10 inserts/pack	94410617
• ClipTip 300 Ext	10-300		Racked, filtered, sterile, 96 tips/rack, 8 racks/pack	94420613
850 μL Pipettes			Increment	
• E1-ClipTip 12-ch 30-850 μL	30-850		1.0 μL	4671090
1000 μL Pipettes			Packaging	
• ClipTip 1000	30-1000		Racked, 96 tips/rack, 8 racks/pack	94410710
• ClipTip 1000	30-1000		Racked, sterile, 96 tips/rack, 8 racks/pack	94410713
• ClipTip 1000	30-1000		Reload tower, 96 tips/insert, 8 inserts/pack	94410717
• ClipTip 1000	30-1000		Reload tower, sterile, 96 tips/insert, 8 inserts/pack	94410718
• ClipTip 1000	30-1000		Racked, filtered, sterile, 96 tips/rack, 8 racks/pack	94420713
• ClipTip 1000	30-1000		Reload insert, filtered, sterile, 96 tips/insert, 8 inserts/pack	94420718
1250 μL Pipettes			Increment	
• E1-ClipTip 15-1250 μL	15-1250		1.0 μL	4670040BT
• E1-ClipTip 8-ch 15-1250 μL	15-1250		1.0 μL	4671100BT
• E1-ClipTip Equalizer 6-ch 15-1250 μL	15-1250	9.0-19.8	1.0 μL	4672090BT
• E1-ClipTip Equalizer 8-ch 15-1250 μL	15-1250	9.0-14.2	1.0 μL	4672100BT
1250 μL Tips			Packaging	
• ClipTip 1250	15-1250		Racked, 96 tips/rack, 8 racks/pack	94410810
• ClipTip 1250	15-1250		Racked, sterile, 96 tips/rack, 8 racks/pack	94410813
• ClipTip 1250	15-1250		Reload insert, 96 tips/insert, 8 inserts/pack	94410817
• ClipTip 1250	15-1250		Reload insert, sterile, 96 tips/insert, 8 inserts/pack	94410818
• ClipTip 1250	15-1250		Racked, filtered, sterile, 96 tips/rack, 8 racks/pack	94420813
• ClipTip 1250	15-1250		Reload insert, filtered, sterile, 96 tips/insert, 8 inserts/pack	94420818

* ClipTip 384 and ClipTip 12.5 tips and compatible E1-ClipTip models utilize snap and clip tip fitting technology.

All ClipTip pipette tips are low retention with the exception of 384 and 12.5 models.

** Bluetooth models available in following countries: Andorra, Australia, Austria, Belgium, Bulgaria, Canada, China, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, India, Ireland, Italy, Japan, Korea (Rep. of), Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Monaco, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, San Marino, Singapore, Slovakia, Slovenia, Spain, Sweden, Switzerland, Taiwan, United Kingdom, United States and Vatican. For other countries catalog numbers without 'BT' extension should be used.

● 2 μL /10 μL / 12.5 μL / 20 μL	● 100 μL / 125 μL / 200 μL	● 850 μL / 1000 μL
● 30 μL / 50 μL	● 300 μL	● 1250 μL

Revolutionize the way you pipette with a new web-based pipetting app



To learn more, visit: www.themofisher.com/mypipette

E1-ClipTip Electronic Pipettes and ClipTip Pipette Tips



E1-ClipTip multichannel pipette



E1-ClipTip Equalizer pipette with adjustable tip spacing
(See chart on the back for more details on adjustable tip spacing)



New CT300 Extended Tips
Enables reach to the bottom of test tubes



E1-ClipTip single charging stand



E1-ClipTip multi charging stand



Thermo Scientific Good Laboratory Pipetting

Learn how the right combination of technique, tools, ergonomics and service support
Good Laboratory Pipetting at

thermofisher.com/pipette



Accessories for ClipTip Pipettes and Tips - ordering information

Description	Color Key	Increment/Packaging	Cat. No.
F-Series Stand, white, 6 positions			9420400
E1-ClipTip charging stand, 1 position		Compatible with E1-ClipTip pipettes	9420500
E1-ClipTip multi charging stand, 3 position		Compatible with E1-ClipTip pipettes	9420510
Empty rack, small	• •	10 racks, no tips/inserts	94410219
Empty rack, medium	• •	10 racks, no tips/inserts	94410519
300 Ext empty rack	•	8 racks, no tips/inserts	94410619
Empty rack, large	• •	8 racks, no tips/inserts	94410819

• 2 µL/10 µL / 12.5 µL/ 20 µL
 • 100 µL/ 125 µL/ 200 µL
 • 850 µL/ 1000 µL
• 30 µL/ 50 µL
 • 300 µL
 • 1250 µL

Save 90% more time with E1-ClipTip Equalizer pipettes!

Save over 90% more time, and 90% less repetitions. Transfer samples between any labware format, and save time with E1-ClipTip electronic adjustable tip spacing models.

Equalizer model selector guide

96-Format Equalizer Pipettes					
Channels	Max. spacing	Transfer to/from	↔	Transfer from/to	Min. spacing
6-channel	19.8 mm	- Test tube racks 24-well microplates 	↔	96-well microplates - Deepwell blocks 	9.0 mm
8-channel	14.2 mm	- Microcentrifuge tube racks 48-well microplates 	↔	96-well microplates - Deepwell blocks 	9.0 mm
384-Format Equalizer Pipettes					
Channels	Max. spacing	Transfer to/from	↔	Transfer from/to	Min. spacing
8-channel	14.2 mm	96-well microplates 48-well microplates - Deepwell blocks - Microcentrifuge tube racks 	↔	384-well microplates 384 PCR plates - Agarose gels 	4.5 mm
12-channel	9.0 mm	96-well microplates - Deepwell blocks 	↔	384-well microplates 384 PCR plates - Agarose gels 	4.5 mm

Find out more at thermofisher.com/cliptip