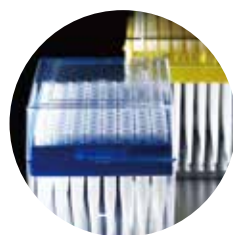


Pipette Tips



Pipette Tips



Empty Racks



Others

Announcement of Change of Watson Brand Product Lineup



Dear Customers and Distributors,

Fukae Kasei Co., Ltd. would like to announce you that

we will change Watson brand product lineup of "Yellow Tip" and "Blue Tip".

The change we are going to make is to produce Colorless tips instead of Color tips - Yellow and Blue Tips.

Accordingly, each Item No. for colored tip product will be integrated into that of Clear tip product.

At the cutting - edge research developing every day, many tasks and mechanisms are coming to light
by a wide range of in vitro and in vivo tests,

such as biochemical reaction mechanism and physiology, for example, DNA and more.

Plastic products like tips and tubes have been playing a important role in supporting experiments at lab.

However, influence on experiments by eluted substance from plastic products surface is still unclear.

In such a situation, we ourselves have collected identity data of eluate by GC-TOF/MS.

As a result, no disputed factor is not found from our products, and the test outcome gives us enough evidence of safety.

Therefore, we confirm that our products are safe to use at research.

The slight difference between colored tips(Yellow & Blue) and Clear tips is
that Colored tips indicate only a little peak caused from coloring by dissolution test using organic solvent.

To prevent any further concern, we decided to switch out colored tips for clear ones.

Our company has acquired ISO 13485, authentication for medical related company,
and starts to extend delivery of our products to medical field such as regeneration medical techniques.

We are committed to persuit of producing more reliable products,

and we are trying to eliminate additive substance from our products to the limit.

Yellow tip products and Blue tip products will be switched for clear tip products sequentially in 2017.

We have been making effort to provide totally clear products
as manufacturer of life-science laboratory products with clear policy.



NEXTY NEXTY RACK/NEXTY PACK

A variety of features for comfortable use.
New pipette tip systems proposed
by Watson.



NEXTY RACK



Autoclavable - Repeatedly

Designed for "durable" and "repeated autoclaving" due to polycarbonate used.



Stable Shape

Trapezoid shape allows tips to fit into the rack without holding the rack by hand.



Non-Slip Rubber Base

Removable elastomer rubber base* enhances stability. (*Not autoclavable)



Water drain holes

4 drain holes on the bottom allows quick drying after autoclaving.



Hinged lid

The lid opens wide enough to access to the tips even with multichannel pipette.



One Touch Operation

Easy opening and closing the lid with one finger. The lid automatically locks when closed.



Color-selectable Lock Latch

Select from 3 color options* for easy identification. (*3 pcs are originally included.)



Easy to Refill

Refill plates or stack racks are available for easy and convenient replenishing tips.

NEXTY RACK S-size

1298-NTS
NEXTY Rack (S)

Note: Color-selectable Lock Latch(3 pcs) and Support Post(See the photo down in the right) are originally included.

Cat. No.	Item	Unit	Case
1298-NTS	NEXTY Rack (S)	1 piece	40 units

Compatible refill plate and stack rack

- 122-207C/CS ● 122-204C/CS ● 123P-2104C
- 123NT-755C ● 122-703C/CS ● 123-753C/CS
- 122-503C/CS ● 123-553C/CS
- 122-505C/CS
- 127-10S ● 127-10XS ● 127-20S ● 127-100S ● 127-200S
- 1272-207CS ● 1271-204CS ● 126-20S ● 126-100S ● 1272-703CS
- 126-200S



Body/Lock latch

NEXTY RACK M-size

1298-NTM
NEXTY Rack (M)

Note: Color-selectable Lock Latch(3 pcs) are originally included.

Cat. No.	Item	Unit	Case
1298-NTM	NEXTY Rack (M)	1 piece	20 units

Compatible refill plate and stack rack

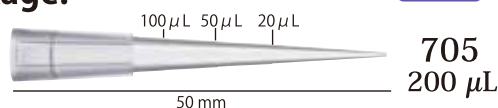
- 122-502C/CS ● 122-706C/CS ● 122-804C/CS ● 122-806C/CS
- 127-1000S
- 126-1000S



Body/Lock latch

NEXTY PACK

Ecology & Economy!
Waste-reduction due to paper package!
Space-saving, Cost-saving!
Very easy to refill tips!

123NT-755C
NEXTY Pack 200 µL
Refill plate for NEXTY rack S size

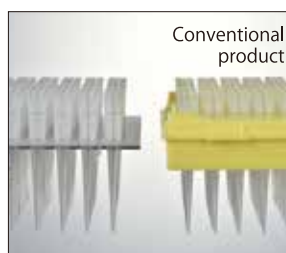
Real scale



After setting into tip rack



Super-thin formed tip point enables complete liquid discharge.



Thin wall designed plate reduces waste compared to conventional product.



Easy to refill tips.



Place the Support Post* inside the NEXTY Rack(S size) before use.
 (*Originally included)



Cat. No.	Item	Unit	Case
123NT-755C	200 µL, Standard Tip, Graduated, Natural, "NEXTY PACK" Refill Stack for NEXTY Rack(S)	96 tips × 5 plates × 10 stacks	5 units

Pipette tip compatibility

- Watson NEXTY 2-20 µL / 10-100 µL / 20-200 µL(Multi) / 20 µL • 100 µL • 200 µL(Fixed volume)
- Eppendorf Reference/Research V 2-20 µL / 10-100 µL(Multi) / 50 (20) -200 µL
- Gilson Pipetman P-20 / P-100 / P-200 • Finnpiptette Digital 2-20 µL / 5-50 µL(Multi) / 10-100 µL / 20-200 µL
- Biohit Proline 2-20 µL / 5-50 µL(Multi) / 10-100 µL / 20-200 µL
- Nichiryo Nichipet EX 2-20 µL / 10-100 µL / 20-200 µL / 5-50 µL(Multi) / 40-200 µL(Multi) • A&D MPA-200

Refill plates

ECO PACK



Environmentally-friendly

Sterilized

Space-saving & Cost-saving

1000 μ L



200 μ L

10 μ L

Easy
to refill



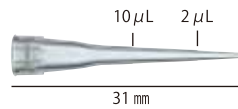
Lift a plate



Place it into a rack



Refilling tips is completed

10 μ L
 Empty Rack for ECO PACK (10 μ L)
1298-254RA
10 μ L Short Tip

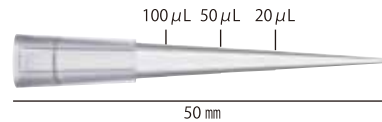
Real scale

After setting
into tip rack

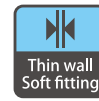
Cat. No.	Item	Unit	Case
123R-254CS	10 μ L, Short Tip, Graduated, Natural, "ECO PACK" Refill Stack Sterilized	96 tips $\times$ 5 plates $\times$ 10 stacks	5 units
1298-254RA	Empty Rack for ECO PACK (10 μ L)	10 racks	10 bags

Pipette tip compatibility

- Watson NEXTY 0.2-2 μ L / 1-10 μ L (Multi) / 10 μ L (Fixed volume)
- Eppendorf Reference/Research V 0.1-2.5 μ L / 0.5-10 μ L (Multi)
- Gilson Pipetman P-2 / P-10 • Finnpiptette Digital 0.2-2.0 μ L / 0.5-10 μ L (Multi)
- Biohit Proline 0.5-10 μ L (Multi) • Nichiryo Nichipet EX 0.1-2 μ L / 0.5-10 μ L (Multi) • A&D MPA-10 / MPA-20

200 μ L
 Empty Rack for ECO PACK (200 μ L)
1298-755RA
200 μ L Standard Tip

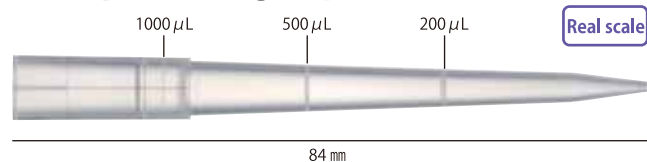
Real scale

After setting
into tip rack

Cat. No.	Item	Unit	Case
123R-755CS	200 μ L, Standard Tip, Graduated, Natural, "ECO PACK" Refill Stack Sterilized	96 tips $\times$ 5 plates $\times$ 10 stacks	5 units
1298-755RA	Empty Rack for ECO PACK (200 μ L)	10 racks	8 bags

Pipette tip compatibility

- Watson NEXTY 2-20 μ L / 10-100 μ L / 20-200 μ L (Multi) / 20 μ L • 100 μ L • 200 μ L (Fixed volume)
- Eppendorf Reference/Research V 2-20 μ L / 10-100 μ L (Multi) / 50(20)-200 μ L
- Gilson Pipetman P-20 / P-100 / P-200 • Finnpiptette Digital 2-20 μ L / 5-50 μ L (Multi) / 10-100 μ L / 20-200 μ L
- Biohit Proline 2-20 μ L / 5-50 μ L (Multi) / 10-100 μ L / 20-200 μ L
- Nichiryo Nichipet EX 2-20 μ L / 10-100 μ L / 20-200 μ L / 5-50 μ L (Multi) / 40-200 μ L (Multi) • A&D MPA-200

1000 μ L
 Empty Rack for ECO PACK (1000 μ L)
1298-757RA
1000 μ L Long Tip

Real scale

After setting
into tip rack

Cat. No.	Item	Unit	Case
123R-757CS	1000 μ L, Long Tip, Graduated, Natural, "ECO PACK" Refill Stack Sterilized	96 tips $\times$ 5 plates $\times$ 5 stacks	5 units
1298-757RA	Empty Rack for ECO PACK (1000 μ L)	5 racks	10 bags

Pipette tip compatibility

- Watson NEXTY 100-1000 μ L / 1000 μ L (Fixed volume)
- Eppendorf Reference 50-250 μ L (4910) / 100-1000 μ L
- Gilson Pipetman P-1000 • Finnpiptette F3 100-1000 μ L • Finnpiptette Digital 100-1000 μ L
- Nichiryo Nichipet EX 100-1000 μ L • Rainin Pipet-Lite SL-1000XLS • Capp ecopipette 100-1000 μ L

207
10 μ L

10 μ L, 50 mm, Long Tip



Real scale



*: see below



Super-thin formed tip point enables complete liquid discharge.



Because of total 50 mm length of long tip, the pipette's nozzle does not touch the solution and/or the micro tube with no concern of contamination even if the tip reaches the bottom of 1.5 mL micro tube.



120-207C
10 μ L, Long, System Rack



120P-207C
10 μ L, Long, System Rack (PP)



1298-207RA
Empty Rack for # 207



122-207C
10 μ L, Long, Refill Plate

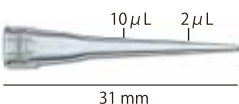


Cat. No.	Item	Packaging	Unit	Case
110-207C	10 μ L, Long Tip, Graduated, Natural	Bulk	1000 tips	20 bags
120-207C	10 μ L, Long Tip, Graduated, Natural	System Rack(PC)	96 tips $\times$ 10 racks	5 units
120-207CS	10 μ L, Long Tip, Graduated, Natural	Sterilized System Rack(PC)	96 tips $\times$ 10 racks	5 units
1298-207RA	Empty Rack for # 207 (10 μ L Long) and 1272-207CS / 127-10XS	—	10 racks	5 units
120P-207C	10 μ L, Long Tip, Graduated, Natural	System Rack(PP)	96 tips $\times$ 10 racks	5 units
120P-207CS	10 μ L, Long Tip, Graduated, Natural	Sterilized System Rack(PP)	96 tips $\times$ 10 racks	5 units
* 122-207C	10 μ L, Long Tip, Graduated, Natural	Refill Plated	96 tips $\times$ 10 plates	5 units
* 122-207CS	10 μ L, Long Tip, Graduated, Natural	Sterilized Refill Plated	96 tips $\times$ 10 plates	5 units

Pipette tip compatibility • Watson NEXTY 0.2-2 μ L / 1-10 μ L(Multi) / 10 μ L(Fixed volume) • Eppendorf Reference 2-20 μ L(Gray)
• Eppendorf Research V 0.1-2.5 μ L / 0.5-10 μ L(Multi) • Gilson Pipetman P-2 / P-10
• Finnpiptette Digital 0.2-2.0 μ L / 0.5-10 μ L(Multi) • Biohit Proline 0.1-2.5 μ L / 0.5-10 μ L(Multi)
• Nichiryo Nichipet EX 0.1-2 μ L / 0.5-10 μ L(Multi) • A&D MPA-10 / MPA-20

204
10 μ L

10 μ L, Short Tip



Real scale



*: see below



120-204C
10 μ L, Short, System Rack



120P-204C
10 μ L, Short, System Rack (PP)



1298-204RA
Empty Rack for # 204



123P-2104C
10 μ L, Short,
Stack Rack (PP)



122-204C
10 μ L, Short, Refill Plate



Cat. No.	Item	Packaging	Unit	Case
110-204C	10 μ L, Short Tip, Graduated, Natural	Bulk	1000 tips	20 bags
120-204C	10 μ L, Short Tip, Graduated, Natural	System Rack(PC)	96 tips $\times$ 10 racks	5 units
120-204CS	10 μ L, Short Tip, Graduated, Natural	Sterilized System Rack(PC)	96 tips $\times$ 10 racks	5 units
1298-204RA	Empty Rack for # 204 (10 μ L Short) and 1271-204CS / 127-10S	—	10 racks	5 units
120P-204C	10 μ L, Short Tip, Graduated, Natural	System Rack(PP)	96 tips $\times$ 10 racks	5 units
120P-204CS	10 μ L, Short Tip, Graduated, Natural	Sterilized System Rack(PP)	96 tips $\times$ 10 racks	5 units
* 122-204C	10 μ L, Short Tip, Graduated, Natural	Refill Plated	96 tips $\times$ 10 plates	5 units
* 122-204CS	10 μ L, Short Tip, Graduated, Natural	Sterilized Refill Plated	96 tips $\times$ 10 plates	5 units
* 123R-254CS	10 μ L, Short Tip, Graduated, Natural, "ECO PACK", Refill Stack	Sterilized Stack Rack	96 tips $\times$ 5 plates $\times$ 10 stacks	5 units
123P-2104C	10 μ L, Short Tip, Graduated, Natural	Stack Rack(PP)	96 tips $\times$ 10 plates $\times$ 5 stacks	5 units
1298-254RA	Empty Rack for ECO PACK(10 μ L)	—	10 racks	10 bags

Pipette tip compatibility • Watson NEXTY 0.2-2 μ L / 1-10 μ L(Multi) / 10 μ L(Fixed volume)
• Eppendorf Reference/Research V 0.1-2.5 μ L / 0.5-10 μ L(Multi) • Gilson Pipetman P-2 / P-10
• Finnpiptette Digital 0.2-2.0 μ L / 0.5-10 μ L(Multi) • Biohit Proline 0.5-10 μ L(Multi)
• Nichiryo Nichipet EX 0.1-2 μ L / 0.5-10 μ L(Multi) • A&D MPA-10 / MPA-20



123R-254CS
ECO PACK (10 μ L)

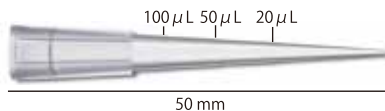


1298-254RA
Empty Rack
for ECO PACK(10 μ L)

Note:(*)Refill plate type and ECO PACK are autoclavable after setting into tip rack.

705
200 µL

200 µL, Standard Tip



Real scale



Super-thin formed tip point enables complete liquid discharge.



*: see below

Cat. No.	Item	Packaging	Unit	Case
110-705C	200 µL, Standard Tip, Graduated, Natural	Bulk	1000 tips	10 bags

Three chip systems available in the 705 series



ECO PACK

Speedy. Sterilized and ready to use



123R-755CS
200 µL, ECO PACK



1298-755RA
Empty Rack
for ECO PACK (200 µL)



Lift a plate



Place it into a rack



Refilling tips is completed

Cat. No.	Item	Packaging	Unit	Case
* 123R-755CS	200 µL, Standard Tip, Graduated, Natural, "ECO PACK" Refill Stack	Sterilized Stack Rack	96 tips × 5 plates × 10 stacks	5 units
1298-755RA	Empty Rack for ECO PACK (200 µL)	—	10 racks	8 bags



NEXTY PACK

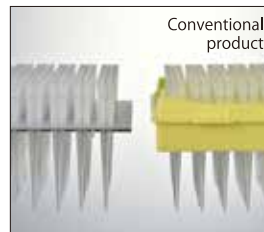
Economical. In combination with a NEXTY Rack



123NT-755C
NEXTY Pack 200 µL



1298-NTS
NEXTY Rack (S)



Thin wall design reduces waste compared to conventional product.



Place the Support Post* inside the NEXTY Rack(S) before use. (*Originally included)



Easy to Refill - just place a refill plate on the NEXTY Rack.

Cat. No.	Item	Packaging	Unit	Case
* 123NT-755C	200 µL, Standard Tip, Graduated, Natural, "NEXTY PACK" Refill Stack for NEXTY Rack(S)	Stack Rack	96 tips × 5 plates × 10 stacks	5 units
1298-NTS	NEXTY Rack (S)	—	1 piece	40 pieces



PP Rack



1201-705C
200 µL, PP Rack



1298-705RA
Empty Rack for # 705 (PP)

Cat. No.	Item	Packaging	Unit	Case
1201-705C	200 µL, Standard Tip, Graduated, Natural	Racked(PP)	96 tips × 10 racks	5 units
1201-705CS	200 µL, Standard Tip, Graduated, Natural	Sterilized Racked(PP)	96 tips × 10 racks	5 units
1298-705RA	Empty Rack for # 705 (200 µL) PP	—	10 racks	5 units

Pipette tip compatibility

- Watson NEXTY 2-20 µL / 10-100 µL / 20-200 µL(Multi) / 20 µL • 100 µL • 200 µL(Fixed volume)
- Eppendorf Reference/Research V 2-20 µL / 10-100 µL(Multi) / 50(20)-200 µL
- Gilson Pipetman P-20 / P-100 / P-200 • Finnpiptette Digital 2-20 µL / 5-50 µL(Multi) / 10-100 µL / 20-200 µL
- Biohit Proline 2-20 µL / 5-50 µL(Multi) / 10-100 µL / 20-200 µL
- Nichiryo Nichipet EX 2-20 µL / 10-100 µL / 20-200 µL / 5-50 µL(Multi) / 40-200 µL(Multi) • A&D MPA-200

Note: (*)ECO PACK and NEXTY PACK are autoclavable after setting into tip rack.

703
200 µL

200 µL Standard Tip



Real scale

53 mm



*:see below



120-703C
200 µL, System Rack
Natural



120P-703C
200 µL, System Rack(PP)
Natural



1298-703RA
Empty Rack for # 703, # 503



122-703C
200 µL, Refill Plate
Natural



123-753C
200 µL, Stack Rack
Natural



Cat. No.	Item	Packaging	Unit	Case
110-703C	200 µL, Standard Tip, Natural	Bulk	1000 tips	30 bags
120-703C	200 µL, Standard Tip, Natural	System Racked(PC)	96 tips×10 racks	5 units
120-703CS	200 µL, Standard Tip, Natural Sterilized	System Racked(PC)	96 tips×10 racks	5 units
1298-703RA	Empty Rack for # 503 (200 µL), # 703 (200 µL) and 126 / 127-20S / 200S, 1272-703CS	—	10 racks	5 units
120P-703C	200 µL, Standard Tip, Natural	System Racked(PP)	96 tips×10 racks	5 units
120P-703CS	200 µL, Standard Tip, Natural Sterilized	System Racked(PP)	96 tips×10 racks	5 units
*122-703C	200 µL, Standard Tip, Natural	Refill Plated	96 tips×10 plates	5 units
*122-703CS	200 µL, Standard Tip, Natural Sterilized	Refill Plated	96 tips×10 plates	5 units
123-753C	200 µL, Standard Tip, Natural	Stack Rack(PC)	96 tips×5 plates×10 stacks	5 units
123-753CS	200 µL, Standard Tip, Natural Sterilized	Stack Rack(PC)	96 tips×5 plates×10 stacks	5 units

Pipette tip compatibility • Watson NEXTY 2-20 µL / 10-100 µL / 20-200 µL(Multi) / 20 µL•100 µL•200 µL(Fixed volume)
 •Eppendorf Reference/Research V 2-20 µL / 10-100 µL(Multi) / 50(20)-200 µL
 •Gilson Pipetman P-20 / P-100 / P-200 •Finnpipette Digital 2-20 µL / 5-50 µL(Multi) / 10-100 µL / 20-200 µL
 •Biohit Proline 2-20 µL / 5-50 µL(Multi) / 10-100 µL / 20-200 µL
 •Nichiryo Nichipet EX 2-20 µL / 10-100 µL / 20-200 µL •A&D MPA-200

503
200 µL



Real scale

53 mm



*:see below



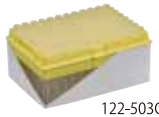
120-503C
200 µL, System Rack
Natural



120P-503C
200 µL, System Rack(PP)
Natural



1298-703RA
Empty Rack for # 703, # 503



122-503C
200 µL, Refill Plate
Natural



123-553C
200 µL, Stack Rack
Natural



Cat. No.	Item	Packaging	Unit	Case
110-503C	200 µL, Standard Tip, Natural	Bulk	1000 tips	30 bags
120-503C	200 µL, Standard Tip, Natural	System Rack(PC)	96 tips×10 racks	5 units
120-503CS	200 µL, Standard Tip, Natural Sterilized	System Rack(PC)	96 tips×10 racks	5 units
1298-703RA	Empty Rack for # 503 (200 µL), # 703 (200 µL) and 126 / 127-20S / 200S, 1272-703CS	—	10 racks	5 units
120P-503C	200 µL, Standard Tip, Natural	System Rack(PP)	96 tips×10 racks	5 units
120P-503CS	200 µL, Standard Tip, Natural Sterilized	System Rack(PP)	96 tips×10 racks	5 units
*122-503C	200 µL, Standard Tip, Natural	Refill Plated	96 tips×10 plates	5 units
*122-503CS	200 µL, Standard Tip, Natural Sterilized	Refill Plated	96 tips×10 plates	5 units
123-553C	200 µL, Standard Tip, Natural	Stack Rack(PC)	96 tips×5 plates×10 stacks	5 units
123-553CS	200 µL, Standard Tip, Natural Sterilized	Stack Rack(PC)	96 tips×5 plates×10 stacks	5 units

Pipette tip compatibility • Watson NEXTY 2-20 µL / 10-100 µL / 20-200 µL(Multi) / 20 µL•100 µL•200 µL(Fixed volume)
 •Eppendorf Reference/Research V 2-20 µL / 10-100 µL(Multi) / 50(20)-200 µL
 •Gilson Pipetman P-20 / P-100 / P-200 •Finnpipette Digital 2-20 µL / 5-50 µL(Multi) / 10-100 µL / 20-200 µL
 •Biohit Proline 2-20 µL / 5-50 µL(Multi) / 10-100 µL / 20-200 µL
 •Nichiryo Nichipet EX 2-20 µL / 10-100 µL / 20-200 µL •A&D MPA-200

Note:(*)Refill plate type is autoclavable after setting into tip rack.

801
250 μ L

250 μ L, 89 mm Long Tip



Real scale



Long



Graduated



Sterilized



Autoclavable

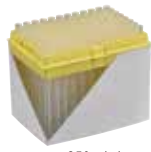
*: see below



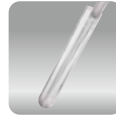
120-801C
250 μ L, Long, System Rack



1298-801RA
Empty Rack for # 801



122-801C
250 μ L, Long, Refill Plate



Convenient when using
5 mL test tube
of length 75 mm.

Note: Please read precautions of
the use of 801 series tips
on page 28.



Cat. No.	Item	Packaging	Unit	Case
110-801C	250 μ L, Long Tip, Graduated, Natural	Bulk	1000 tips	10 bags
120-801C	250 μ L, Long Tip, Graduated, Natural	System Racked(PC)	96 tips $\times$ 10 racks	5 units
120-801CS	250 μ L, Long Tip, Graduated, Natural Sterilized	System Racked(PC)	96 tips $\times$ 10 racks	5 units
1298-801RA	Empty Rack for # 801 (250 μ L Long) and 1272-801CS / 127-200XS	—	10 racks	5 units
* 122-801C	250 μ L, Long Tip, Graduated, Natural	Refill Plated	96 tips $\times$ 10 plates	5 units
* 122-801CS	250 μ L, Long Tip, Graduated, Natural Sterilized	Refill Plated	96 tips $\times$ 10 plates	5 units

Pipette tip compatibility

• Watson NEXTY 10-100 μ L / 20-200 μ L(Multi) / 100 μ L • 200 μ L(Fixed volume)
 • Eppendorf Reference/Research V 2-20 μ L / 10-100 μ L / 50(20)-200 μ L
 • Gilson Pipetman P-100 / P-200 • Finnpiptette Digital 2-20 μ L / 5-50 μ L / 10-100 μ L / 20-200 μ L
 • Biohit Proline 2-20 μ L / 5-50 μ L / 10-100 μ L / 20-200 μ L • Nichiryo Nichipet EX 2-20 μ L / 10-100 μ L / 20-200 μ L
 • A&D MPA-200

505
300 μ L



Real scale

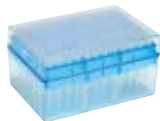


Sterilized



Autoclavable

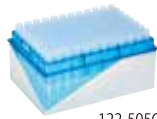
*: see below



120-505C
300 μ L, System Rack



1298-503RA
Empty Rack for # 505, # 503



122-505C
300 μ L, Refill Plate



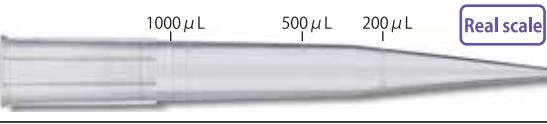
Cat. No.	Item	Packaging	Unit	Case
110-505C	300 μ L, Standard Tip, Natural	Bulk	1000 tips	30 bags
120-505C	300 μ L, Standard Tip, Natural	System Racked(PC)	96 tips $\times$ 10 racks	5 units
120-505CS	300 μ L, Standard Tip, Natural Sterilized	System Racked(PC)	96 tips $\times$ 10 racks	5 units
1298-503RA	Empty Rack for # 503 (200 μ L), # 505 (300 μ L) and 126-200S	—	10 racks	5 units
* 122-505C	300 μ L, Standard Tip, Natural	Refill Plated	96 tips $\times$ 10 plates	5 units
* 122-505CS	300 μ L, Standard Tip, Natural Sterilized	Refill Plated	96 tips $\times$ 10 plates	5 units

Pipette tip compatibility

• Watson NEXTY 10-100 μ L / 20-200 μ L(Multi) / 100 μ L • 200 μ L(Fixed volume)
 • Eppendorf Reference/Research V 10-100 μ L(Multi) / 50(20)-200 μ L / 30-300 μ L(Multi)
 • Gilson Pipetman P-200 / 20-300 μ L(Multi) • Finnpiptette Digital 10-100 μ L / 20-200 μ L / 50-300 μ L(Multi)
 • Biohit Proline 10-100 μ L / 20-200 μ L / 50-300 μ L(Multi)
 • Nichiryo Nichipet EX 10-100 μ L / 20-200 μ L / 50-300 μ L(Multi) • A&D MPA-200

706
1000 μ L

1000 μ L, Thin wall Soft fitting Tip



Real scale



Thin wall
Soft fitting



Graduated



Sterilized



Autoclavable

*: see below



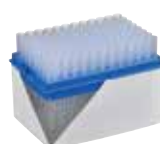
120-706C
1000 μ L, System Rack
Natural



120P-706C
1000 μ L, System Rack(PP)
Natural



1298-802RA
Empty Rack
for # 502, # 706, # 804



122-706C
1000 μ L, Refill Plate
Natural



Cat. No.	Item	Packaging	Unit	Case
110-706C	1000 μ L, Standard Tip, Graduated, Natural	Bulk	1000 tips	10 bags
120-706C	1000 μ L, Standard Tip, Graduated, Natural	System Racked(PC)	96 tips $\times$ 10 racks	5 units
120-706CS	1000 μ L, Standard Tip, Graduated, Natural Sterilized	System Racked(PC)	96 tips $\times$ 10 racks	5 units
1298-802RA	Empty Rack for # 502 / # 706 / # 804 (1000 μ L) and 126 / 127-1000S	—	10 racks	5 units
120P-706C	1000 μ L, Standard Tip, Graduated, Natural	System Racked(PP)	96 tips $\times$ 10 racks	5 units
120P-706CS	1000 μ L, Standard Tip, Graduated, Natural Sterilized	System Racked(PP)	96 tips $\times$ 10 racks	5 units
* 122-706C	1000 μ L, Standard Tip, Graduated, Natural	Refill Plated	96 tips $\times$ 10 plates	5 units
* 122-706CS	1000 μ L, Standard Tip, Graduated, Natural Sterilized	Refill Plated	96 tips $\times$ 10 plates	5 units

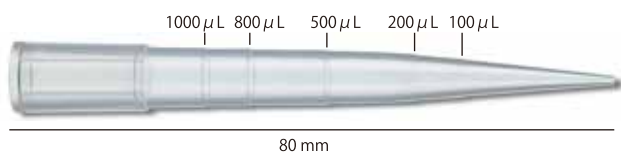
Pipette tip compatibility

• Watson NEXTY 100-1000 μ L / 1000 μ L(Fixed volume)
 • Eppendorf Reference/Research V 50-250 μ L(4910) / 100-1000 μ L • Gilson Pipetman P-1000
 • Finnpiptette Digital 100-1000 μ L • Biohit Proline 100-1000 μ L • Nichiryo Nichipet EX 100-1000 μ L • A&D MPA-1200

Note: (*) Refill plate type is autoclavable after setting into tip rack.

804
1000 μ L

1000 μ L, 80 mm Long Tip



Real scale



*:see below



120-804C
1000 μ L, Long, System Rack
Natural



1298-802RA
Empty Rack
for # 502, # 706, # 804



120P-804C
1000 μ L, Long, System Rack(PP)
Natural

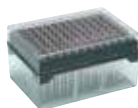


122-804C
1000 μ L, Long, Refill Plate
Natural

Pipette tip compatibility • Watson NEXTY 100-1000 μ L / 1000 μ L(Fixed volume)

- Eppendorf Reference/Research V 50-250 μ L(4910) / 100-1000 μ L
- Gilson Pipetman P-1000
- Finnpipe Digital 100-1000 μ L
- Biohit Proline 100-1000 μ L
- Nichiryo Nichipet EX 100-1000 μ L
- A&D MPA-1200

Features of Watson Tip System



Tough & extremely durable

The body and lid, made of polycarbonate(PC), does not lose its shape over time use. It can also be autoclaved repetitively.



Easy, Handy, and Eco-Friendly

One-touch replacement for the System Rack. The paper cover can be recycled.

Note: Use a PC (polycarbonate) rack when refilling tips.



Remove the old plate.



Place the new plate.
Remove paper skirt.



Refilling tips is complete.



Low cost and high chemical resistant

The body and lid, made of Polypropylene(PP) is lightweight, durable, and highly resistant to chemicals and heat. Because of its inexpensive cost compared with System Rack (PC), this System Rack(PP) can be disposed as one time use if used with non-sterilized long tip, or can be reused even after autoclaving if tips are manually refilled.

Note: The rack made of PP shrinks slightly after autoclaving, consequently refill plate cannot be used.



Space-Saving

Stacked replacement plates for System Rack, which is space-saving.

Note: Use a PC (polycarbonate) rack when refilling tips.



Lift a plate from
Stack Rack with
the lid of system rack.



Place it into
an empty System Rack.



Refilling tip is complete.



Nuclease-free certificate

This mark shows RNase/DNase/Human-DNA free. Products with this mark are manufactured in the clean room under our high quality control, and inspected to meet our strict quality standards.

RNase/DNase-free certificates can be issued for each lot upon your request.

Note: (*) Refill plate type is autoclavable after setting into tip rack.

502
1000 μ L



Real scale



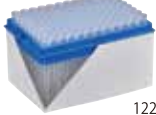
*: see below



120-502C
1000 μ L, System Rack
Natural



1298-802RA
Empty Rack
for # 502, # 706, # 804



122-502C
1000 μ L, Refill Plate, Natural



Cat. No.	Item	Packaging	Unit	Case
110-502C	1000 μ L, Standard Tip, Natural	Bulk	1000 tips	10 bags
120-502C	1000 μ L, Standard Tip, Natural	System Racked(PC)	96 tips $\times$ 10 racks	5 units
120-502CS	1000 μ L, Standard Tip, Natural Sterilized	System Racked(PC)	96 tips $\times$ 10 racks	5 units
1298-802RA	Empty Rack for # 502 / # 706 / # 804 (1000 μ L) and 126 / 127-1000S	—	10 racks	5 units
* 122-502C	1000 μ L, Standard Tip, Natural	Refill Plated	96 tips $\times$ 10 plates	5 units
* 122-502CS	1000 μ L, Standard Tip, Natural Sterilized	Refill Plated	96 tips $\times$ 10 plates	5 units

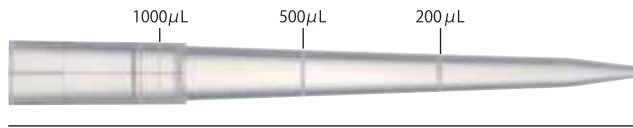
Pipette tip compatibility • Watson NEXTY 100-1000 μ L / 1000 μ L(Fixed volume)

• Eppendorf Reference/Research V 50-250 μ L(4910) / 100-1000 μ L • Gilson Pipetman P-1000

• Finnpiptette Digital 100-1000 μ L • Biohit Proline 100-1000 μ L • Nichiryo Nichipet EX 100-1000 μ L

707
1000 μ L

1000 μ L, Long Tip "ECO PACK"



84 mm

Real scale



*: see below



123R-757CS
1000 μ L, Long, "ECO PACK"



1298-757RA
Empty Rack
for ECO PACK(1000 μ L)



Cat. No.	Item	Packaging	Unit	Case
* 123R-757CS	1000 μ L, Long Tip, Graduated, "ECO PACK" Sterilized	StackRack	96 tips $\times$ 5 plates $\times$ 5 stacks	5 units
1298-757RA	Empty Rack for ECO PACK(1000 μ L)	—	5 racks	10 bags

Pipette tip compatibility • Watson NEXTY 100-1000 μ L / 1000 μ L(Fixed volume)

• Eppendorf Reference 50-250 μ L(4910) / 100-1000 μ L • Gilson Pipetman P-1000

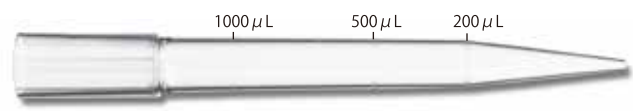
• Finnpiptette F3 100-1000 μ L • Finnpiptette Digital 100-1000 μ L • Nichiryo Nichipet EX 100-1000 μ L

• Rainin Pipet-Lite SL-1000XLS • Capp ecopipette 100-1000 μ L

*The 707 series tips are available only in an ECO PACK

806
1000 μ L

1000 μ L, Thin wall soft fitting Long Tip



81 mm

Real scale



*: see below



120-806C
1000 μ L, Long, System Rack
Natural



1298-806RA
Empty Rack for # 806



120P-806C
1000 μ L, Long, System Rack(PP)
Natural



122-806C
1000 μ L, Long, Refill Plate
Natural



Cat. No.	Item	Packaging	Unit	Case
110-806C	1000 μ L, Long Tip, Graduated, Natural, 9 mm Pitch	Bulk	1000 tips	10 bags
120-806C	1000 μ L, Long Tip, Graduated, Natural, 9 mm Pitch	System Racked(PC)	96 tips $\times$ 10 racks	5 units
120-806CS	1000 μ L, Long Tip, Graduated, Natural, 9 mm Pitch Sterilized	System Racked(PC)	96 tips $\times$ 10 racks	5 units
1298-806RA	Empty Rack for # 806 (1000 μ L)	—	10 racks	5 units
120P-806C	1000 μ L, Long Tip, Graduated, Natural, 9 mm Pitch	System Racked(PP)	96 tips $\times$ 10 racks	5 units
120P-806CS	1000 μ L, Long Tip, Graduated, Natural, 9 mm Pitch Sterilized	System Racked(PP)	96 tips $\times$ 10 racks	5 units
* 122-806C	1000 μ L, Long Tip, Graduated, Natural, 9 mm Pitch	Refill Plated	96 tips $\times$ 10 plates	5 units
* 122-806CS	1000 μ L, Long Tip, Graduated, Natural, 9 mm Pitch Sterilized	Refill Plated	96 tips $\times$ 10 plates	5 units

Pipette tip compatibility • Watson NEXTY 100-1000 μ L / 1000 μ L(Fixed volume)

• Eppendorf Reference/Research V 50-250 μ L(4910) / 100-1000 μ L • Gilson Pipetman P-1000

• Finnpiptette Digital 100-1000 μ L • Biohit Proline 100-1000 μ L • Nichiryo Nichipet EX 100-1000 μ L

Note:(*)Refill plate type and ECO PACK are autoclavable after setting into tip rack.

805
1200 μ L

1200 μ L, Extra Long Tip



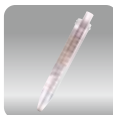
120-805C
1200 μ L, Extra Long
System Rack, Natural



1298-805RA
Empty Rack for # 805



Extra Long



It reaches to the inner bottom of 15 mL / 50 mL centrifuge tube. No concern of contamination of the pipettor's nozzle with the solution and/or the inner part of centrifuge tube.



Graduated



Sterilized



Autoclavable

*: see below



122-805C
1200 μ L, Extra Long
Refill Plate, Natural



Bulk



System Rack
PC



Refill Plate

Cat. No.	Item	Packaging	Unit	Case
110-805C	1200 μ L, Extra Long Tip, Graduated, Natural	Bulk	1000 tips	10 bags
120-805C	1200 μ L, Extra Long Tip, Graduated, Natural	System Racked(PC)	96 tips $\times$ 10 racks	5 units
120-805CS	1200 μ L, Extra Long Tip, Graduated, Natural Sterilized	System Racked(PC)	96 tips $\times$ 10 racks	5 units
1298-805RA	Empty Rack for # 805 (1200 μ L Extra Long) and 126 / 127-1200S	—	10 racks	5 units
* 122-805C	1200 μ L, Extra Long Tip, Graduated, Natural	Refill Plated	96 tips $\times$ 10 plates	5 units
* 122-805CS	1200 μ L, Extra Long Tip, Graduated, Natural Sterilized	Refill Plated	96 tips $\times$ 10 plates	5 units

Pipette tip compatibility • Watson NEXTY 100-1000 μ L / 1000 μ L(Fixed volume)

• Eppendorf Reference/Research V 50-250 μ L(4910) / 100-1000 μ L

• Gilson Pipetman P-1000 • Finnpiptette Digital 100-1000 μ L

• Biohit Proline 100-1000 μ L • Nichiryo Nichipet EX 100-1000 μ L

PRECAUTIONS : When using the long tip or extra-long tip

The liquid is affected by pressure, dependent on the size/length of the tip. Therefore when you use a certain pipette in combination with a long tip, it is necessary to adjust the scale on the pipette tip's height (=height of sample) in accordance to the level to which liquid has been drawn in. If an 801* tip (250 μ L) or an 805** tip (1200 μ L) is used, it is necessary to make adjustments to the scale by referring to the adjustment values shown in the below figure.

(Values obtained with the formula remain approximate.)

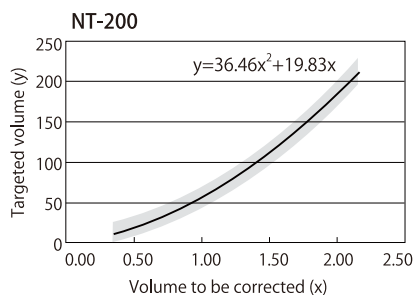
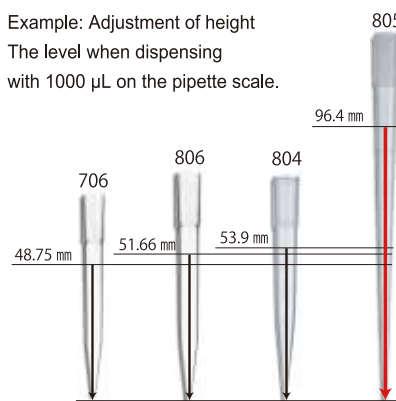
Note: The shape/size of the following tips is identical.

*Tip # 801: Tip # 200XS series

**Tip # 805: Tip # 1200S series

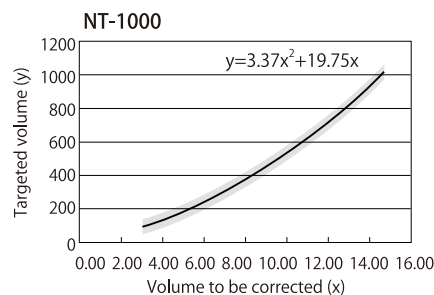
Example: Adjustment of height

The level when dispensing with 1000 μ L on the pipette scale.



Formula for volume correction

$$x = \frac{-19.83 + \sqrt{19.83^2 + 4 \times 36.46y}}{2 \times 36.46}$$



Formula for volume correction

$$x = \frac{-19.75 + \sqrt{19.75^2 + 4 \times 3.37y}}{2 \times 3.37}$$

Note: No adjustment is necessary for the tip # 502, 706, 804, or 806.

Note: (*) Refill plate type is autoclavable after setting into tip rack.

401
5 mL

5000 μ L, 130 mm



130 mm





Graduated



Sterilized



Autoclavable



120-401C
5000 μ L, System Rack
Natural



1298-401RA
Empty Rack for # 401



Bulk



System Rack
PC

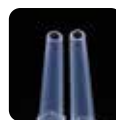
Cat. No.	Item	Packaging	Unit	Case
110-401C	5000 μ L, Standard Tip, Graduated, Natural	Bulk	250 tips	10 bags
120-401C	5000 μ L, Standard Tip, Graduated, Natural	System Racked(PC)	24 tips $\times$ 10 racks	5 units
120-401CS	5000 μ L, Standard Tip, Graduated, Natural Sterilized	System Racked(PC)	24 tips $\times$ 10 racks	5 units
1298-401RA	Empty Rack for # 401 (5000 μ L)	—	10 racks	5 units

Pipette tip compatibility

- Watson NEXTY 50-5000 μ L / 5000 μ L (Fixed volume)
- Gilson Pipetman P-5000
- Socorex Acura 0.5 - 5 mL

Edgeless Large-bore Tips

The Edgeless bore tip has smooth rounded surface on the point of the tip by shortening the length of the tip which makes the inner diameter bigger. It is suitable for pipetting mouse embryo, hydra, nematode, retina cells, etc. not to damage such samples when aspirating and dispensing by pipette.



113-743C



113-842C

The tip comes with various inside diameters. Select one that fits the size of the sample.



Note: Since the diameter and length of the tip vary from tip to tip in a bulk supply, the actual volume may not be exactly as stable as 200 μ L or 1000 μ L. Therefore, please DO NOT set the aspiration volume of the pipette as 200 μ L / 1000 μ L but set it much smaller than 200 μ L / 1000 μ L to avoid any accidental over-suction of the sample resulting in contamination inside the pipette.

Edgeless Large-bore Tip (200 μ L type for pipette connection)



Real scale

35.4~41.8 mm (The length is different.)
※tip inner diameter Φ 1.35 ~ 2.00 mm



Cat. No.	Item	Packaging	Unit	Case
113-743C	Edgeless Large-bore Tip for 200 μ L, Natural	Bulk	1000 tips	10 bags

Pipette tip compatibility

- Watson NEXTY 2-20 μ L / 10-100 μ L / 20-200 μ L
- Eppendorf Reference/Research V 2-20 μ L / 10-100 μ L (Multi) / 50(20)-200 μ L
- Gilson Pipetman P-20 / P-100 / P-200
- Finnpiptette Digital 2-20 μ L / 5-50 μ L (Multi) / 10-100 μ L / 20-200 μ L
- Biohit Proline 2-20 μ L / 5-50 μ L (Multi) / 10-100 μ L / 20-200 μ L
- Nichiryo Nichipet EX 2-20 μ L / 10-100 μ L / 20-200 μ L / 5-50 μ L (Multi) / 40-200 μ L (Multi)

Edgeless Large-bore Tip (1000 μ L type for pipette connection)



Real scale

57.8~69.3 mm (The length is different.)
※tip inner diameter Φ 2.40 ~ 4.50 mm



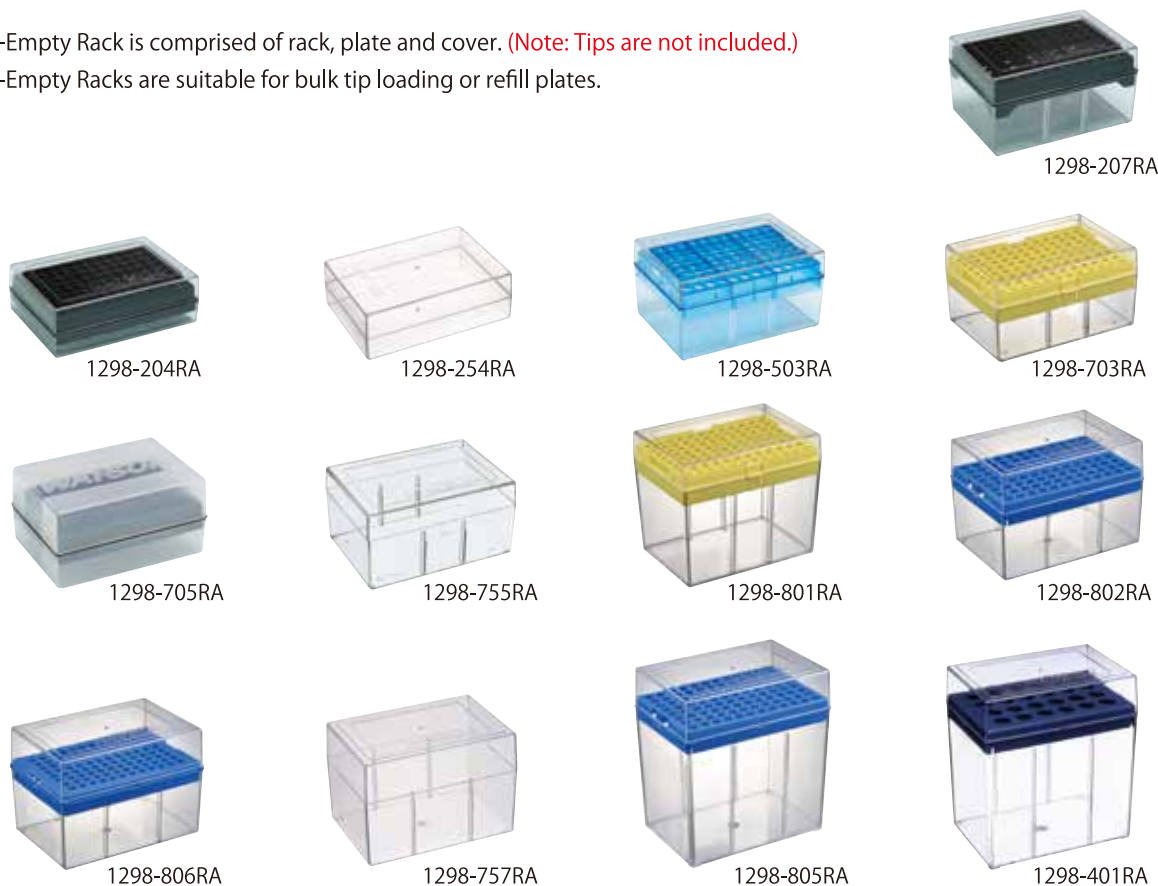
Cat. No.	Item	Packaging	Unit	Case
113-842C	Edgeless Large-bore Tip for 1000 μ L, Natural	Bulk	1000 tips	10 bags

Pipette tip compatibility

- Watson NEXTY 100-1000 μ L
- Eppendorf Reference/Research V 50-250 μ L (4910) / 100-1000 μ L
- Gilson Pipetman P-1000 • Finnpiptette Digital 100-1000 μ L
- Biohit Proline 100-1000 μ L • Nichiryo Nichipet EX 100-1000 μ L

Empty Racks

- Empty Rack is comprised of rack, plate and cover. (Note: Tips are not included.)
- Empty Racks are suitable for bulk tip loading or refill plates.



Cat.No.	Tip compatibility
1298-207RA	110-207C•122-207C•122-207CS•127-10XS•1272-207CS
1298-204RA	110-204C•122-204C•122-204CS•123P-2104C•127-10S•1271-204CS
1298-254RA	123R-254CS
1298-503RA	110-505C•122-505C•122-505CS•126-200S
1298-703RA	110-503C•122-503C•122-503CS•123-553C•123-553CS• 110-703C•122-703C•122-703CS•123-753C•123-753CS• 113-743C•127-20S•127-100S•127-200S•126-20S•126-100S• 1272-703CS
1298-705RA	110-705C•111-705C

Cat.No.	Tip compatibility
1298-755RA	123R-755CS
1298-801RA	110-801C•122-801C•122-801CS•127-200XS•1272-801CS
1298-802RA	110-502C•122-502C•122-502CS•110-706C•122-706C•122-706CS• 113-842C•110-804C•122-804C•122-804CS• 127-1000S•126-1000S
1298-806RA	110-806C•122-806C•122-806CS
1298-757RA	123R-757CS
1298-805RA	110-805C•122-805C•122-805CS•127-1200S•126-1200S
1298-401RA	110-401C•126-5000S



Cat. No.	Item	Unit	Case
1298-207RA	Empty Rack for # 207(10 μ L Long) and 1272-207CS/127-10XS	10 racks	5 units
1298-204RA	Empty Rack for # 204(10 μ L Short) and 1271-204CS/127-10S	10 racks	5 units
1298-254RA	Empty Rack for ECO PACK(10 μ L)	10 racks	10 bags
1298-503RA	Empty Rack for # 503(200 μ L), # 505(300 μ L) and 126-200S	10 racks	5 units
1298-703RA	Empty Rack for # 503(200 μ L), # 703(200 μ L) and 126/127-20S/200S, 1272-703CS	10 racks	5 units
1298-705RA	Empty Rack for # 705(200 μ L)	10 racks	5 units
1298-755RA	Empty Rack for ECO PACK(200 μ L)	10 racks	8 bags
1298-801RA	Empty Rack for # 801(250 μ L Long) and 1272-801CS/127-200XS	10 racks	5 units
1298-802RA	Empty Rack for # 502/# 706/# 804(1000 μ L) and 126/127-1000S	10 racks	5 units
1298-806RA	Empty Rack for # 806(1000 μ L)	10 racks	5 units
1298-757RA	Empty Rack for ECO PACK(1000 μ L)	5 racks	10 bags
1298-805RA	Empty Rack for # 805(1200 μ L Extra Long) and 126/127-1200S	10 racks	5 units
1298-401RA	Empty Rack for # 401(5000 μ L)	10 racks	5 units

Rubber Base



-Anti-slip rubber base is made of silicon usable for any type of system racks.

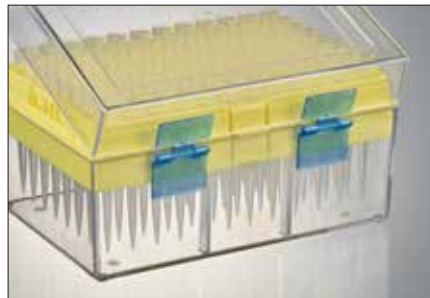


Cat. No.	Item	Unit	Case
1725-007B	Rubber Base for System Rack, Blue	1 piece	1 unit

Rack Joint



- With Rack Joint as a hinge, the lid can be connected to the case of system rack.
- The adhesive tape on the Rack Joint's back is prepared for quick installation.
- Rack Joint can be used for both system rack made of polycarbonate and polypropylene.
- Autoclavable.



Cat. No.	Item	Unit	Case
172-PP	Rack Joint, Hinge parts for System Rack	10 sets	50 bags