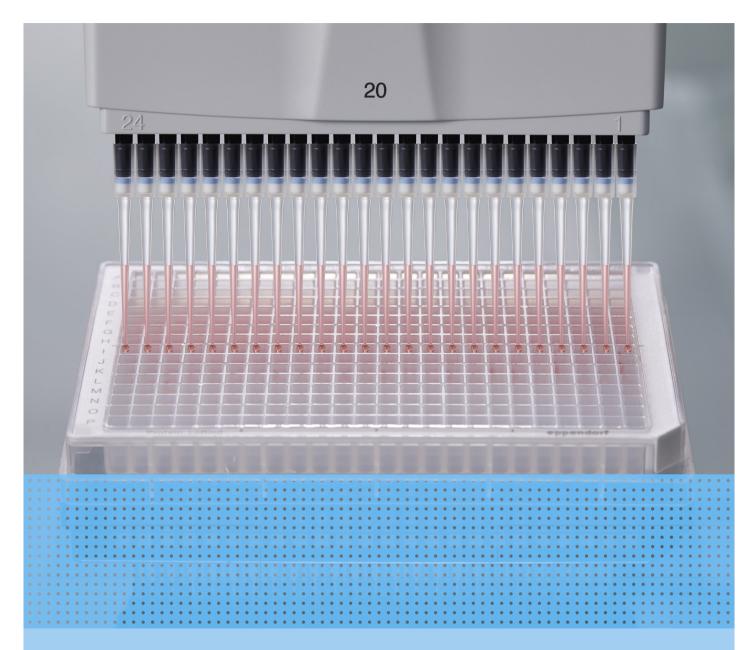
# eppendorf



# 384. Ready. Set. Pipette!

384 well pipetting made easy
16- and 24-channel pipettes and epT.I.P.S.® 384

# 16 and 24 Wells in Just One Step

#### Pipette into 384-well plates without the pain

Do you work with 384-well plates and strive for more efficient manual pipetting methods? Your worries are over. 16- and 24-channel pipettes and epT.I.P.S.® 384 pipette tips from Eppendorf make working with 384-well plates convenient, ergonomic and safe.

#### Fill 384 wells within a minute

- > No more mistakes or tedious work due to inconvenient alternate well pipetting with 8- and 12-channel pipettes
- > Set up or validate an automated process manually, and have a back-up system in case automation fails
- > Increase your throughput today and change from 96 to 384-well plates. There's no reason to hesitate anymore!



# Ergonomics – Practiced Innovation



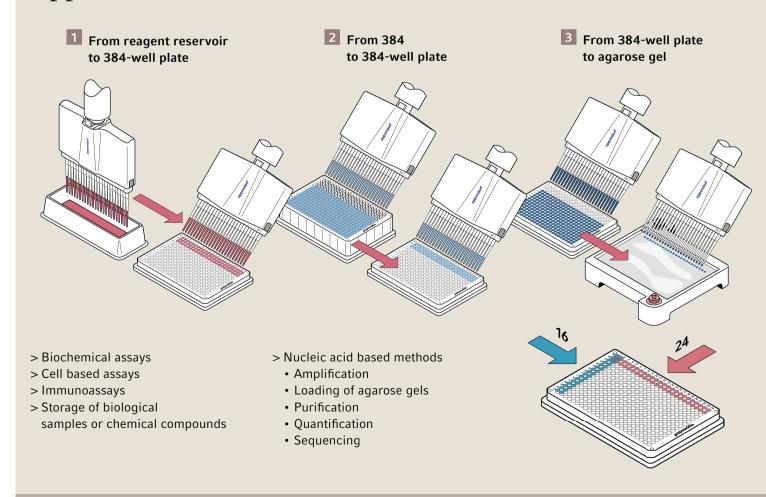
# epT.I.P.S. 384 with SOFTattach technology – the key innovation

For the first time, pipette tips have elastic forming grooves. They allow the tips to stretch as much as necessary to enable a perfect seal while operating forces are reduced to a minimum.

#### Your benefit:

- > Outstanding and reliable tip fit and tightness
- > Reduced tip attachment and ejection forces

# Applications for 384 Well Plates







#### **Superior ergonomics**

Ergonomic operation and energy saving. Reduced ejection forces and 40% lower tip attachment forces per cone:

- > epT.I.P.S. 384 with SOFTattach technology: outstandingly smooth and even tip attachment
- > Spring-loaded tip cone: with haptic feedback there is no need for rocking and banging, one gentle touch, and done
- > **SOFTeject:** 50% reduction of ejection forces by successive tip ejection



#### Reproducible results

High level reproducibility and user safety:

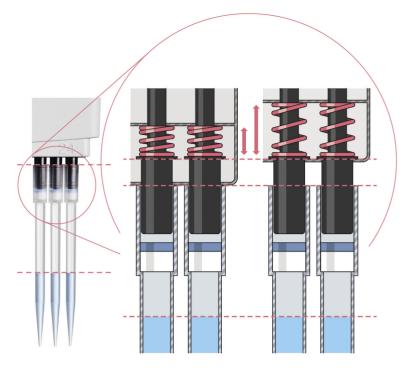
- > Start 16 or 24 reactions simultaneously: for equal starting conditions
- > SOFTattach technology and optimal pipette-tip compatibility: for reliable tip tightness
- > Perfectly aligned epT.I.P.S. 384: for safe plate maneuvering and liquid transfer



#### Time-saving

Alternate well pipetting with 8- or 12-channel pipettes is a thing of the past:

- > In just one step: process complete columns or rows with 16- and 24-channel pipettes
- > Protects from accidental well misidentification and repeating of experiments
- > Improve efficiency with 384-well plates: 50% reduction in pipetting steps by processing one 384 instead of four 96 well plates



# Tip ejection forces

#### Spring-loaded tip cone for ergonomic and safe work

- > Reduced tip attachment force
- > Haptic feedback indicates reproducible and safe tip fit
- > Uniform uptake of liquid

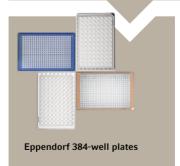
#### SOFTeject for reduced tip ejection force

During a single tip ejection stroke, the outside tips eject before the inside tips. This reduces the tip ejection forces by 50%.

## Workflow

#### **Complete Solutions from Eppendorf**

As a solution provider, we offer 384 well formats with our microplates, thermocyclers, thermomixers, centrifuges and services to complete your 384 well workflow demands. More information about our workflow solutions on: www.eppendorf.com









# Ergonomics -Then and Now

#### Always focusing on scientists' needs

To sustainably support the health of our customers, Eppendorf introduced the PhysioCare Concept®. Our philosophy is to continuously listen to scientists' needs while challenging the status quo of existing tools. Eppendorf has surpassed themselves once again with the new system for 384-well plates by combining proven concepts with new innovations:

The already proven features, the **spring-loaded tip** cone and SOFTeject, were combined with a further innovation – epT.I.P.S. 384 with **SOFTattach** technology. All these features combined ensure greater user safety and ergonomics at work:

- > Tip attachment even and reliable
- > Tip ejection smooth and easy
- > Per tip cone, attachment and ejection forces are significantly reduced
- > Perfectly aligned tips ensure safe plate maneuvering and liquid transfer

www.eppendorf.com/physiocare





## Eppendorf Research® plus (multi-channel, variable volume)

(marti chamici, variable volume)						
No. of channels	Volume	Color code	Order no.			
16 channel	1–20 μL	light pink	3125 000 079			
	5–100 μL	light yellow	3125 000 095			
24 channel	1–20 μL	light pink	3125 000 087			
	5–100 μL	light yellow	3125 000 109			

## Eppendorf Xplorer® plus (multi-channel, incl. charger)

No. of channels	Volume	Color code	Order no.
16 channel	1–20 μL	light pink	4861 000 778
	5–100 μL	light yellow	4861 000 792
24 channel	1–20 μL	light pink	4861 000 779
	5–100 μL	light yellow	4861 000 793

#### epT.I.P.S.® / ep Dualfilter T.I.P.S.® 384

Tips 384	Available as	Tip size	Color code	epT.I.P.S.® 384 Order no.	ep Dualfilter T.I.P.S.® 384 Order no.
Set	epT.I.P.S.® 384, 1,920 tips	20 μL	light pink	0030 076 028	_
(Eppendorf Quality <sup>™</sup> )	(5 trays x 384 tips), 1 reusable box	100 μL	light yellow	0030 076 036	_
Reload	epT.I.P.S.® 384,	20 μL	light pink	0030 076 001	_
(PCR clean)	3,840 tips (10 trays x 384 tips)	100 μL	light yellow	0030 076 010	_
Reload	epT.I.P.S.® 384,	20 μL	light pink	0030 076 044	_
(Eppendorf Quality <sup>™</sup> )	3,840 tips (10 trays x 384 tips)	100 μL	light yellow	0030 076 052	_
Rack	ep Dualfilter T.I.P.S.® 384,	20 μL	light pink	_	0030 078 853
(PCR clean, sterile)	3,840 tips (10 racks x 384 tips)	100 μL	light yellow	_	0030 078 861

384-well plates	Order no.
Eppendorf twin.tec® PCR Plate 384, PCR clean, colorless, 25 plates	0030 128 508
Eppendorf Deepwell Plate 384, PCR clean, white, 40 plates (5 bags × 8 plates)	0030 521 102
Eppendorf Microplate 384/V, PCR clean, white, 80 plates (5 bags × 16 plates)	0030 621 301

> For more information go to: www.eppendorf.com/plates

#### The Science of Pipetting to Perfection

Do you already know everything there is to know about pipetting? We have created a comprehensive guidebook to help you carry out good science.

Discover what you should consider before selecting a new pipette and how correct usage and careful maintenance will ensure your instrument always functions at peak performance.



Download your copy today: https://eppendorf.group/Pipetting-eBook



Your local distributor: www.eppendorf.com/contact

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#### www.eppendorf.com