



SAPPHIRE PIPETTE TIPS

QUESTIONS & ANSWERS

The transition to our new Sapphire portfolio might raise some questions for you. Therefore, some of the most important questions are compiled in this document.

For more detailed answers, please have a look at the FAQ section on our website www.gbo.com.

Do the new tips replace the existing tip portfolio?

Yes, the new Sapphire tip portfolio replaces all existing Greiner Bio-One standard tips and filter tips, EasyLoad® tips as well as previous Sapphire tips.

Which new tip can be used as alternative for my previous tip? And which rack can be used?

Please have a look at our [cross reference list](#) (order no. F074014) in order to find your new tip and rack.



What tip colors are available?

The new Sapphire tips are **transparent** in order to reduce the risk of contamination due to unnecessary additives.



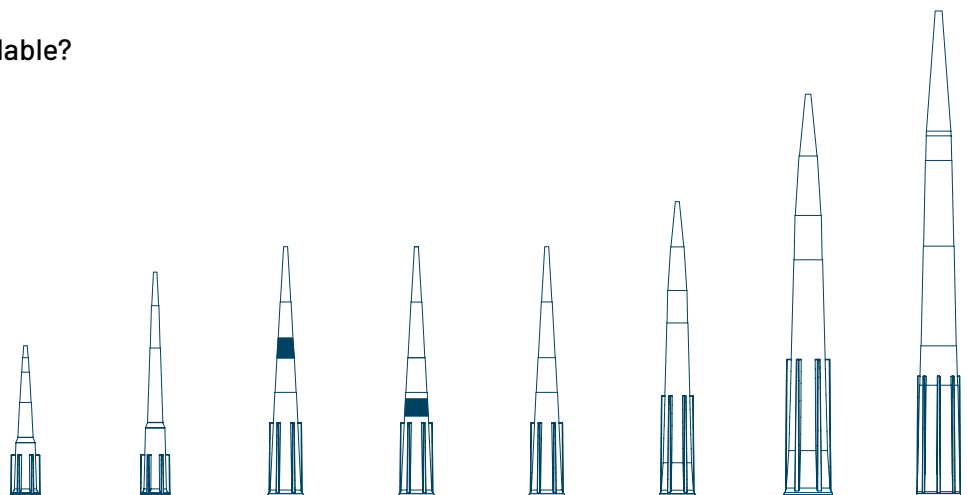
QUESTIONS & ANSWERS

What tip versions and packaging options do you offer?



Tip Versions	Packaging Options				
	Bag	Rack	Rack sterile	Refill	Refill sterile
Standard	•	•	•	•	•
Filter			•		
Low Retention		•	•	•	•
Low Retention Filter			•		

Which tip volumes are available?

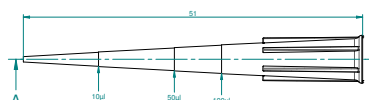


Volume	10 µl	10 µl ext.	20 µl	100 µl	200 µl	300 µl	1000 µl	1250 µl
Standard	•	•			•	•	•	•
Filter	•	•	•	•	•	•		•
Low Retention	•	•			•	•	•	•
Low Retention Filter	•	•	•	•	•	•		•

FOR MORE FREQUENTLY ASKED QUESTIONS REGARDING THE NEW SAPPHIRE PIPETTE TIPS, PLEASE REFER TO OUR WEBSITE WWW.GBO.COM.

What are the tip/rack dimensions?

Detailed information on tips and racks can be found in the **data sheets** and **customer drawings** available on our website.



Which pipette can be used in combination with the new Sapphire tips?

The new Sapphire tips are compatible with most pipettes working with standard pipette tips (e.g. Eppendorf, Gilson, Sarstedt, VWR etc.). For details see our [tip fit chart](#) (order no. F074016).



Do the new Sapphire tips fit into previous Greiner Bio-One or Sapphire racks?

The new tips fit into previous Sapphire racks but not into previous Greiner Bio-One racks. New refill units do not fit into any of the previous racks.

Do you provide matching racks with the new Sapphire bulk tips?

There are item numbers for unfilled racks with insert which can be ordered separately. Please ask your Greiner Bio-One sales contact for individual / country-specific conversion strategies.

Sapphire Racks for Pipette Tips (unfilled)

Rack colour: natural, with lid and coloured rack insert, non-sterile, for 96 tips

Item No.	Suitable for	Rack insert colour	Qty. inner / outer
770310	10 µl / 10 µl extended	● red	10 / 60
770320	200 µl	● yellow	10 / 60
770330	300 µl	● green	10 / 60
770340	1000 µl / 1250 µl	● blue	10 / 40



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Are the new Sapphire racks autoclavable?

Yes, the transparency / stability of the new Sapphire racks after 50 cycles is still excellent – and the rack can withstand many more cycles. Please note that the racks should be autoclaved with closed hinge to avoid contamination.

Is the traceability of the products ensured?

The tip volume, tip description, article number and batch number are printed on the **rack insert** for perfect traceability of the tips. The bulkware tips have the above mentioned information printed on the **bag label**. In addition, **colour coding** helps distinguish the different tip volumes.



How is the quality of the new Sapphire tips certified?

All new Sapphire tips are certified to be free of detectable DNase, RNase, human DNA, PCR inhibitors and endotoxins as well as non-cytotoxic. The tips are also certified for compatibility according to ISO 8655. We offer general certificates to download from our website.

FREE OF
detectable
DNase

FREE OF
detectable
RNase

FREE OF
detectable
human DNA

FREE OF
detectable
PCR inhibitors

 non-
pyrogenic

 non-
cytotoxic

ISO 8655-6
Piston-operated
volumetric
apparatus