

making a difference


A female scientist with long blonde hair, wearing a white lab coat, is focused on her work. She is holding a pipette and appears to be dispensing liquid into a small container. The background is a blurred laboratory setting with shelves and equipment.

YOUR RESULTS - OUR PIPETTES

SAPPHIRE
Pipettes

The Greiner logo consists of a stylized blue 'G' shape.

greiner
BIO-ONE

A close-up photograph of a multi-channel pipette in use. A hand wearing a blue nitrile glove holds the white and black pipette. The pipette has a black multi-channel head with eight white tips, each containing a small amount of blue liquid. The pipette is positioned over a clear microplate. The background is a blurred laboratory setting with a person in a white lab coat. A text box in the upper right corner contains a quote about the pipette's 360-degree rotational head.

"An additional feature of the multi-channel pipette is the 360° rotational head giving the freedom to work in the most ergonomic position."

Sapphire Pipettes by Greiner Bio-One combine state-of-the-art engineering and design in the ultimate instrument for modern liquid handling.

SAPPHIRE PIPETTES OPTIMUM ERGONOMICS AND PERFORMANCE

Sapphire Pipettes are a variable volume range of air-displacement pipettes designed and built to deliver optimal performance, ergonomics, and robustness in day-to-day use. The lightweight design coupled with a special mechanism reduces pipetting forces and makes our pipettes both comfortable and easy-to-use.

The contoured body shape allows for a relaxed grip whatever size your hand, and the 3-position tip ejector

button makes pipetting comfortable for both left-handed and right-handed users.

Precision and accuracy is taken as read, with the Sapphire Pipettes performing well within the requirements specified in ISO 8655 forming the optimum solution for liquid handling when used in combination with pipette tips from Greiner Bio-One.

THE SAPPHIRE PORTFOLIO

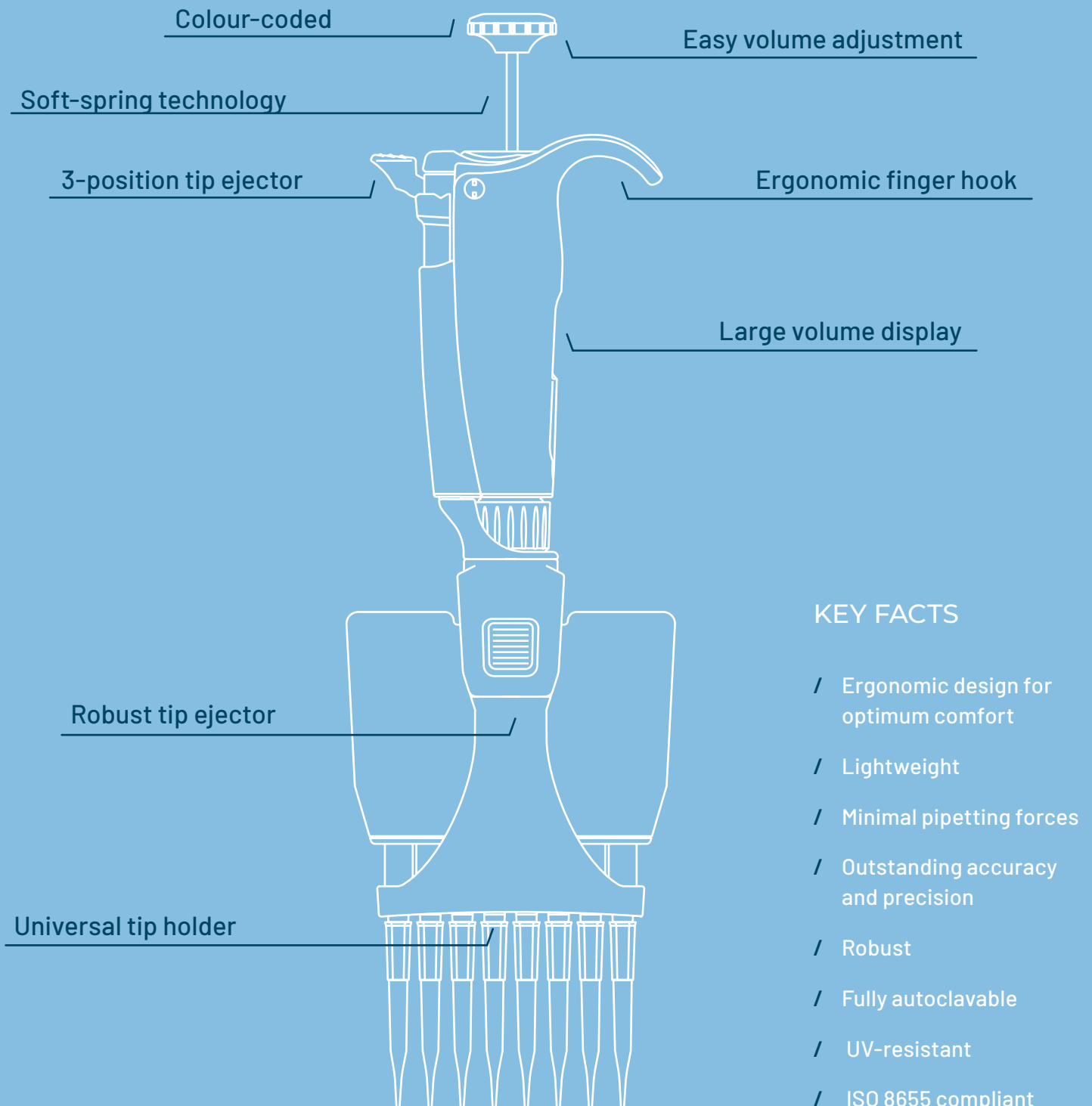
- / 8 single-channel models with a volume range from 0.2 µl up to 10 ml
- / 8 multi-channel pipettes (8-channel and 12-channel) with a volume range from 0.5 µl up to 300 µl



EACH PIPETTE

- / Has a unique serial number
- / Is fully autoclavable
- / Comes with a 3-year warranty

PRODUCT FEATURES



ERGONOMIC & CONVENIENT

- / Lightweight, comfortable design
- / Soft-spring technology for low pipetting forces
- / Perfect shape for small and large hands alike
- / 3-position tip ejector for both left-hand and right-hand users
- / Long finger hook for a relaxed grip
- / 360° adjustable head for multi-channel pipettes to allow work in every position



ACCURATE & PRECISE

- / Large display for easy volume identification
- / Freely rotating push button to adjust the volume and to avoid accidental volume changes
- / High precision and accuracy
- / Optimal performance with Greiner Bio-One pipette tips
- / Compatible with other manufacturers' tips



RESISTANT & RELIABLE

- / Durable materials and design
- / UV-resistance over extended periods
- / Fully autoclavable
- / Unique serial number for easy tracking



SAPPHIRE PIPETTES

PERFORMANCE DATA

The Sapphire Pipettes perform within ISO 8655 which is considered the basis for determining the accuracy and precision of air-displacement pipettes.

The Sapphire Pipettes have one of the lowest error tolerances on the market. Test results are generated using Greiner Bio-One Pipette Tips.

Single-Channel Pipettes

Model	Volume range [μ l]	Sapphire Pipette Specifications						ISO 8655 Specifications			
		Volume [μ l]	Systematic error		Random error			Systematic error		Random error	
			[μ l]	[%]	[μ l]	[%]		[μ l]	[%]	[μ l]	[%]
1 x 2	0.2 - 2	0.2	± 0.026	± 13.2	≤ 0.013	≤ 6.6		± 0.080	± 40.0	≤ 0.040	≤ 20.0
		2	± 0.033	± 1.7	≤ 0.015	≤ 0.8		± 0.080	± 4.0	≤ 0.040	≤ 2.0
1 x 10	1 - 10	1	± 0.028	± 2.8	≤ 0.013	≤ 1.3		± 0.120	± 12.0	≤ 0.080	≤ 8.0
		10	± 0.110	± 1.1	≤ 0.044	≤ 0.4		± 0.120	± 1.2	≤ 0.080	≤ 0.8
1 x 20	2 - 10	2	± 0.11	± 5.5	≤ 0.033	≤ 1.7		± 0.20	± 10.0	≤ 0.100	≤ 5.0
		20	± 0.20	± 1.0	≤ 0.066	≤ 0.3		± 0.20	± 1.0	≤ 0.100	≤ 0.5
1 x 100	10 - 100	10	± 0.39	± 3.9	≤ 0.11	≤ 1.1		± 0.80	± 8.0	≤ 0.30	≤ 3.0
		100	± 0.80	± 0.8	≤ 0.17	≤ 0.2		± 0.80	± 0.8	≤ 0.30	≤ 0.3
1 x 200	20 - 200	20	± 0.55	± 2.8	≤ 0.22	≤ 1.1		± 1.60	± 8.0	≤ 0.60	≤ 3.0
		200	± 1.60	± 0.8	≤ 0.33	≤ 0.2		± 1.60	± 0.8	≤ 0.60	≤ 0.3
1 x 1000	100 - 1000	100	± 3.3	± 3.3	≤ 0.7	≤ 0.7		± 8.0	± 8.0	≤ 3.0	≤ 3.0
		1000	± 8.0	± 0.8	≤ 1.7	≤ 0.2		± 8.0	± 0.8	≤ 3.0	≤ 0.3
1 x 5000	500 - 5000	500	± 13	± 2.6	≤ 3.3	≤ 0.7		± 40	± 8.0	≤ 15	≤ 3.0
		5000	± 33	± 0.7	≤ 8.8	≤ 0.2		± 40	± 0.8	≤ 15	≤ 0.3
1 x 10000	1000 - 10000	1000	± 33	± 3.3	≤ 6.6	≤ 0.7		± 60	± 6.0	≤ 30	≤ 3.0
		10000	± 60	± 0.6	≤ 17.6	≤ 0.2		± 60	± 0.6	≤ 30	≤ 0.3

Multi-Channel Pipettes

Model	Volume range [μ l]	Sapphire Pipette Specifications						ISO 8655 Specifications			
		Volume [μ l]	Systematic error		Random error			Systematic error		Random error	
			[μ l]	[%]	[μ l]	[%]		[μ l]	[%]	[μ l]	[%]
8 x 10	0.5 - 10	0.5	± 0.09	± 17.6	≤ 0.04	≤ 8.8		± 0.24	± 48.0	≤ 0.16	≤ 32.0
12 x 10		10	± 0.22	± 2.2	≤ 0.11	≤ 1.1		± 0.24	± 2.4	≤ 0.16	≤ 1.6
8 x 20	2 - 20	2	± 0.11	± 5.5	≤ 0.09	≤ 4.4		± 0.40	± 20.0	≤ 0.20	≤ 10.0
12 x 20		20	± 0.40	± 2.0	≤ 0.17	≤ 0.8		± 0.40	± 2.0	≤ 0.20	≤ 1.0
8 x 200	20 - 200	20	± 0.6	± 2.8	≤ 0.28	≤ 1.4		± 3.2	± 16.0	≤ 1.20	≤ 6.0
12 x 200		200	± 2.2	± 1.1	≤ 0.55	≤ 0.3		± 3.2	± 1.6	≤ 1.20	≤ 0.6
8 x 300	20 - 300	20	± 1.10	± 5.5	≤ 0.39	≤ 1.9		± 3.2	± 16.0	≤ 1.20	≤ 6.0
12 x 300		300	± 3.30	± 1.1	≤ 1.10	≤ 0.4		± 3.2	± 1.6	≤ 1.20	≤ 0.6

ORDERING INFORMATION

Sapphire Pipettes

Item no.	Description	Colour code	Volume range	Qty. inner / outer
89000002	single-channel pipette	● orange	0.2 – 2 µl	1 / 1
89000010	single-channel pipette	● red	1 – 10 µl	1 / 1
89000020	single-channel pipette	● light yellow	2 – 20 µl	1 / 1
89000100	single-channel pipette	● light orange	10 – 100 µl	1 / 1
89000200	single-channel pipette	● yellow	20 – 200 µl	1 / 1
89001000	single-channel pipette	● blue	100 – 1000 µl	1 / 1
89000500	single-channel pipette	● violet	500 – 5000 µl	1 / 1
89010000	single-channel pipette	● light blue	1000 – 10000 µl	1 / 1
89000810	8-channel pipette	● red	0.5 – 10 µl	1 / 1
89000820	8-channel pipette	● light yellow	2 – 20 µl	1 / 1
89008200	8-channel pipette	● yellow	20 – 200 µl	1 / 1
89008300	8-channel pipette	● green	20 – 300 µl	1 / 1
89001210	12-channel pipette	● red	0.5 – 10 µl	1 / 1
89001220	12-channel pipette	● light yellow	2 – 20 µl	1 / 1
89012200	12-channel pipette	● yellow	20 – 200 µl	1 / 1

Accessories

Item no.	Description	Colour code	Qty. inner / outer
89000099	carrousel pipette holder	–	1 / 1
89019801	ID Clip	○ white	10
89019803	ID Clip	● red	10
89019804	ID Clip	● blue	10
89019805	ID Clip	● green	10
89019806	ID Clip	● yellow	10
89019809	ID Clip	assorted	10

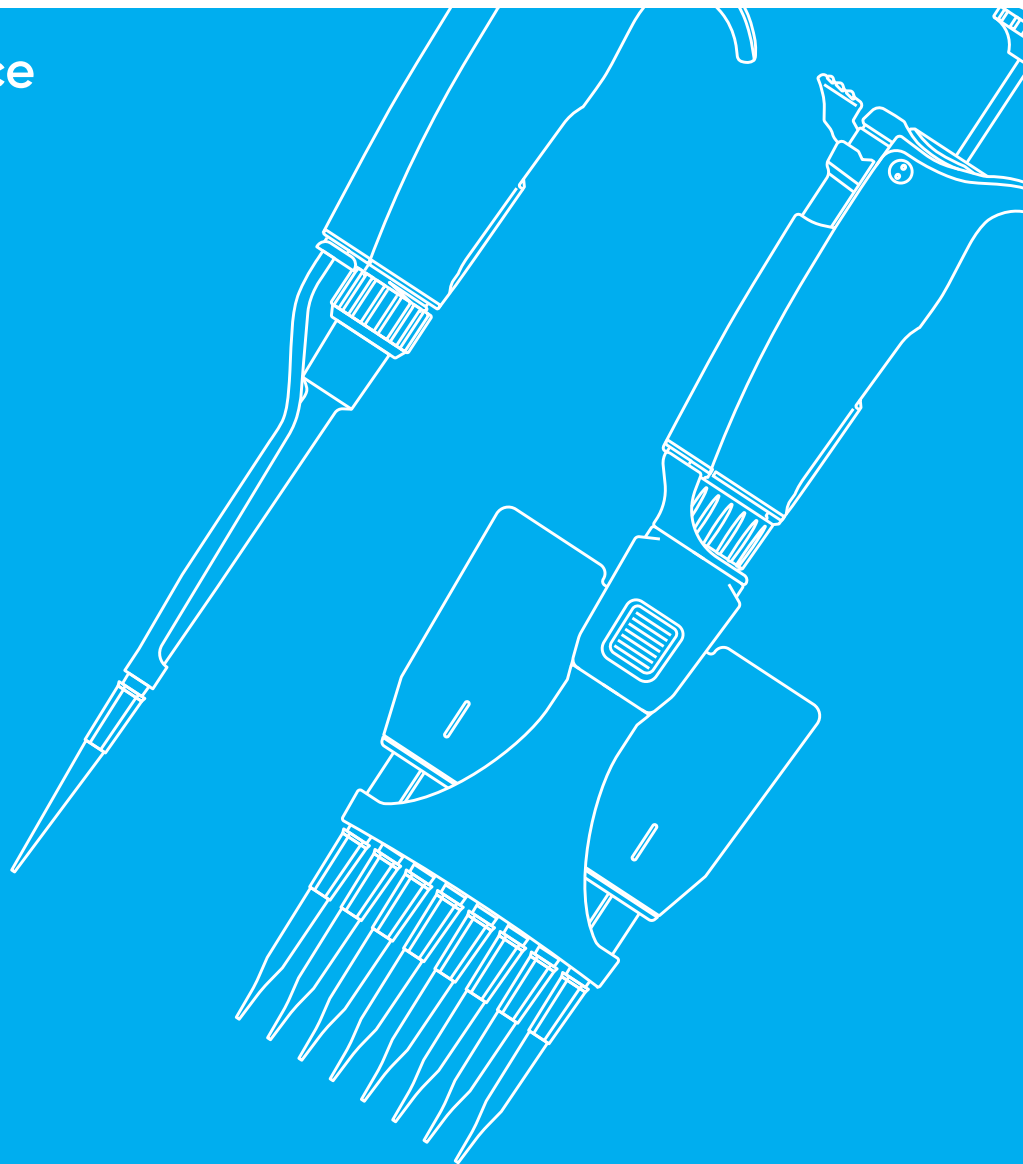
SERVICE & MAINTENANCE

We recommend that pipettes are serviced and calibrated annually by an authorised service provider. Please contact your local Greiner Bio-One representative for servicing options.

HAVE A CLOSER LOOK AT
OUR SAPPHIRE PIPETTES



making a difference



www.gbo.com

GREINER BIO-ONE GMBH
FRICKENHAUSEN, GERMANY

PHONE +49 7022 948-0
FAX +49 7022 948-514
E-MAIL info@de.gbo.com



GREINER BIO-ONE IS A GLOBAL PLAYER.
FIND THE CONTACT DETAILS OF YOUR
LOCAL PARTNER ON OUR WEBSITE.



This product information is addressed exclusively to healthcare professionals. Devices of Greiner Bio-One are to be used by properly trained healthcare professionals only in accordance with the relevant Instructions for Use (IFU). For a listing of indications, contraindications, precautions and warnings, please refer to the Instructions for Use which accompanies each product or is available for download from our website at www.gbo.com (Download Center). For more information contact your local Greiner Bio-One sales representative or visit our website.

All information is provided without guarantee despite careful processing. Any liability, warranty or guarantee of Greiner Bio-One GmbH is excluded. All rights, errors and changes are reserved. If not stated otherwise, Greiner Bio-One GmbH has all copyrights and/or other (user-)rights in this documents, in particular to signs such as the mentioned (word-picture-)brands and logos. Any use, duplication or any other use of the rights of Greiner Bio-One GmbH is expressly prohibited. **Media owner:** Greiner Bio-One GmbH / Represented by Managing Directors Jakob Breuer and Heinz Schmid. The company is registered in the Commercial Register at the first instance court in Stuttgart, HRB 224604 / VAT Number: DE812585719.

F073049 en [rev. 04.2022]


greiner
BIO-ONE