

Пипетки Мора, градуированные CARL ROTH BLAUBRAND, SILBERBRAND ETERNA

Технические характеристики

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тургут (3462)77-98-35
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия (495)268-04-70

Казахстан (772)734-952-31

Киргизия (996)312-96-26-47

Bulb / graduated pipettes

Bulb pipettes plastic

Vitlab. Material: PP.

- Blue graduated
- EX calibrated
- Shatter-proof



Cleaning with low alkaline cleaning agents is recommended up to a max. temperature of 60 °C in order to avoid changes in volume.

Vol. (ml)	Limit of error (ml)	Total length (mm)	Art. No.	Pack Qty.	
1	±0,02	300	YA06.1	12 unit(s)	
2	±0,02	300	YA07.1	12 unit(s)	
5	±0,03	300	YA08.1	6 unit(s)	
10	±0,04	440	YA09.1	6 unit(s)	
25	±0,05	450	YA10.1	6 unit(s)	
50	±0,10	460	YA11.1	6 unit(s)	

Suction piston graduated pipette

Hirschmann. Material: AR-GLAS®.

With main-point ring graduation, graduated up to the tip.

- Brown graduated
- Upper zero point



Vol. (ml)	Graduation (ml)	Art. No.	Pack Qty.	
1	0,01	T742.1	1 unit(s)	
2	0,02	T743.1	1 unit(s)	
5	0,05	T744.1	1 unit(s)	
10	0,1	T745.1	1 unit(s)	
20	0,1	T746.1	1 unit(s)	
25	0,1	T747.1	1 unit(s)	
50	0,2	T748.1	1 unit(s)	

Graduated pipettes BLAUBRAND® type 2 class AS, USP

BRAND. Material: AR-GLAS®. Autoclavable: Yes.

Graduation and inscriptions in high-contrast blue enamel paint.

- Blue graduated
- Upper nominal capacity
- Calibrated to 'Ex'
- Total delivery
- DE-M approved



A 121 °C

Total length ± 10 mm. HXN1.1: limit of error USP ±0.01 ml.

Delivery incl. USP batch certificate.

Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Standards	Art. No.	Pack Qty.	
1	0,01	± 0,007 USP	360	Yes	DIN EN ISO 835	HXN1.1	12 unit(s)	
2	0,02	± 0,01 USP	360	Yes	DIN EN ISO 835	HXN2.1	12 unit(s)	
5	0,05	± 0,02 USP	360	Yes	DIN EN ISO 835	HXN3.1	12 unit(s)	
10	0,1	± 0,03 USP	360	Yes	DIN EN ISO 835	HXN4.1	12 unit(s)	

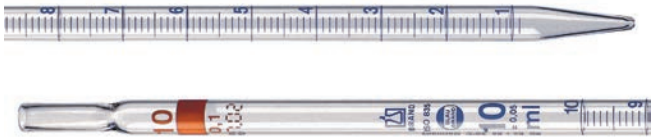


Bulb / graduated pipettes

Graduated pipettes BLAUBRAND® type 2 class AS

BRAND. Material: AR-GLAS®. Autoclavable: Yes.
Graduation and inscriptions in high-contrast blue enamel paint.

- Blue graduated
- Upper nominal capacity
- Calibrated to 'Ex'
- Total delivery
- DE-M approved*



A121 °C

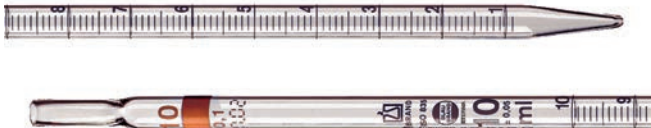
Total length ± 10 mm. *HXK9.1 not DE-M marked.

Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Standards	Art. No.	Pack Qty.	
0.5	0,01	± 0,006	360	No	DIN EN ISO 835	HXK5.1	12 unit(s)	
1	0,01	± 0,007	360	No	DIN EN ISO 835	HXK6.1	12 unit(s)	
1	0,01	± 0,007	360	Yes	DIN EN ISO 835	HXK7.1	12 unit(s)	
1	0,1	± 0,007	360	No	DIN EN ISO 835	HXK8.1	12 unit(s)	
2	0,01	± 0,010	360	No	in addition	HXK9.1	12 unit(s)	
2	0,02	± 0,010	360	No	DIN EN ISO 835	HXL0.1	12 unit(s)	
2	0,02	± 0,010	360	Yes	DIN EN ISO 835	HXL1.1	12 unit(s)	
2	0,1	± 0,010	360	No	DIN EN ISO 835	HXL2.1	12 unit(s)	
5	0,05	± 0,030	360	Yes	DIN EN ISO 835	HXL3.1	12 unit(s)	
5	0,1	± 0,030	360	Yes	DIN EN ISO 835	HXL4.1	12 unit(s)	
10	0,1	± 0,05	360	Yes	DIN EN ISO 835	HXL5.1	12 unit(s)	
20	0,1	± 0,1	360	Yes	DIN EN ISO 835	HXL6.1	6 unit(s)	
25	0,1	± 0,1	450	Yes	DIN EN ISO 835	HXL7.1	6 unit(s)	
50	0,5	± 0,2	450	Yes	in addition	HXL8.1	6 unit(s)	

Graduated pipettes type 2 SILBERBRAND ETERNA class B

BRAND. Material: AR-GLAS®. Autoclavable: Yes.
Graduation and inscription in ETERNA permanent amber diffusion colour.

- Brown graduated
- Upper nominal capacity
- Calibrated to 'Ex'
- Total delivery



A121 °C

Total length ±10 mm.

Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Standards	Art. No.	Pack Qty.	
1	0,01	± 0,007	360	No	DIN EN ISO 835	HXN6.1	12 unit(s)	
2	0,01	± 0,010	360	No	in addition	HXN9.1	12 unit(s)	
2	0,02	± 0,010	360	No	DIN EN ISO 835	HXP0.1	12 unit(s)	
5	0,05	± 0,030	360	Yes	DIN EN ISO 835	HXP3.1	12 unit(s)	
5	0,1	± 0,030	360	Yes	DIN EN ISO 835	HXP4.1	12 unit(s)	
10	0,1	± 0,05	360	Yes	DIN EN ISO 835	HXP5.1	12 unit(s)	
25	0,1	± 0,15	450	Yes	DIN EN ISO 835	HXP7.1	6 unit(s)	

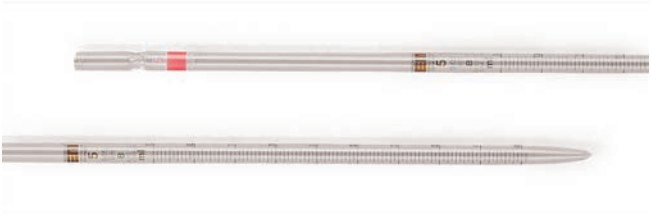
Bulb / graduated pipettes

Graduated pipettes type 3 class B

Hirschmann. Material: AR-GLAS®. Autoclavable: Yes.

The volume displayed is achieved through normal draining of the graduated pipette. Graduated up to the tip.

- Brown graduated
- Upper zero point
- EX calibrated



A 121 °C

Total length ± 5 mm.

Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Standards	Art. No.	Pack Qty.	
0.5	0,01	$\pm 0,0075$	360	No	in addition	E941.1	12 unit(s)	
1	0,01	$\pm 0,01$	360	No	DIN EN ISO 835	E942.1	12 unit(s)	
2	0,02	$\pm 0,015$	360	No	DIN EN ISO 835	E943.1	12 unit(s)	
5	0,05	$\pm 0,045$	360	Yes	DIN EN ISO 835	E944.1	12 unit(s)	
5	0,1	$\pm 0,045$	360	Yes	in addition	E945.1	12 unit(s)	
10	0,1	$\pm 0,075$	360	Yes	DIN EN ISO 835	E946.1	12 unit(s)	
20	0,1	$\pm 0,15$	360	Yes	in addition	E947.1	6 unit(s)	
25	0,1	$\pm 0,15$	450	Yes	DIN EN ISO 835	E948.1	6 unit(s)	
50	0,2	$\pm 0,30$	450	Yes	in addition	E949.1	6 unit(s)	

Graduated pipettes BLAUBRAND® type 3 class AS

BRAND. Material: AR-GLAS®. Autoclavable: Yes.

Graduation and inscription in high-contrast blue enamel paint

- Blue graduated
- Upper zero point
- Calibrated to 'Ex'
- Total delivery
- DE-M approved*



A 121 °C

Total length ± 10 mm. *HXT2.1: not DE-M marked.

Delivery incl. Batch certificate

Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Standards	Art. No.	Pack Qty.	
0.5	0,01	$\pm 0,006$	360	No	DIN EN ISO 835	HXP8.1	12 unit(s)	
1	0,01	$\pm 0,007$	360	No	DIN EN ISO 835	HXP9.1	12 unit(s)	
1	0,01	$\pm 0,007$	360	Yes	DIN EN ISO 835	HXT0.1	12 unit(s)	
1	0,1	$\pm 0,007$	360	No	DIN EN ISO 835	HXT1.1	12 unit(s)	
2	0,01	$\pm 0,010$	360	No	in addition	HXT2.1	12 unit(s)	
2	0,02	$\pm 0,010$	360	No	DIN EN ISO 835	HXT3.1	12 unit(s)	
2	0,02	$\pm 0,010$	360	Yes	DIN EN ISO 835	HXT4.1	12 unit(s)	
2	0,1	$\pm 0,010$	360	No	DIN EN ISO 835	HXT5.1	12 unit(s)	
5	0,05	$\pm 0,030$	360	Yes	DIN EN ISO 835	HXT6.1	12 unit(s)	
5	0,1	$\pm 0,030$	360	Yes	DIN EN ISO 835	HXT7.1	12 unit(s)	
10	0,1	$\pm 0,05$	360	Yes	DIN EN ISO 835	HXT8.1	12 unit(s)	
20	0,1	$\pm 0,1$	360	Yes	DIN EN ISO 835	HXT9.1	6 unit(s)	
25	0,1	$\pm 0,1$	450	Yes	DIN EN ISO 835	HXX0.1	6 unit(s)	
50	0,5	$\pm 0,2$	450	Yes	in addition	HXX1.1	6 unit(s)	



Bulb / graduated pipettes

Graduated pipettes type 3, class AS

Hirschmann. Material: AR-GLAS®. Autoclavable: Yes.

With main-point ring graduation, graduated up to the tip.

- Blue graduated
- Upper zero point
- EX calibrated
- Conformity certified
- With dated batch code



A121 °C

Total length ±5 mm.

Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Standards	Art. No.	Pack Qty.	
0.5	0,01	±0,005	360	No	DIN EN ISO 835	E950.1	12 unit(s)	
1	0,01	±0,007	360	No	DIN EN ISO 835	E951.1	12 unit(s)	
2	0,02	±0,01	360	No	DIN EN ISO 835	E952.1	12 unit(s)	
5	0,05	±0,03	360	Yes	DIN EN ISO 835	E953.1	12 unit(s)	
5	0,1	±0,03	360	Yes	in addition	E954.1	12 unit(s)	
10	0,1	±0,05	360	Yes	DIN EN ISO 835	E955.1	12 unit(s)	
20	0,1	±0,1	360	Yes	in addition	E956.1	6 unit(s)	
25	0,1	±0,1	450	Yes	DIN EN ISO 835	E957.1	6 unit(s)	
50	0,2	±0,2	450	Yes	in addition	E958.1	6 unit(s)	

Small pack

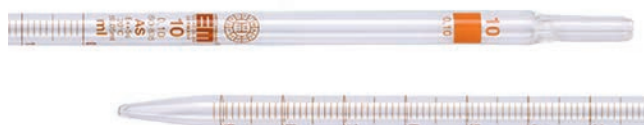
Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Standards	Art. No.	Pack Qty.	
1	0,01	±0,007	360	No	DIN EN ISO 835	E951.2	6 unit(s)	
2	0,02	±0,01	360	No	DIN EN ISO 835	E952.2	6 unit(s)	
5	0,05	±0,03	360	Yes	DIN EN ISO 835	E953.2	6 unit(s)	
10	0,1	±0,05	360	Yes	DIN EN ISO 835	E955.2	6 unit(s)	
20	0,1	±0,1	360	Yes	in addition	E956.2	3 unit(s)	
25	0,1	±0,1	450	Yes	DIN EN ISO 835	E957.2	3 unit(s)	
50	0,2	±0,2	450	Yes	in addition	E958.2	3 unit(s)	

Graduated pipettes type 3 class AS

Hirschmann. Material: AR-GLAS®. Autoclavable: Yes.

With main-point ring graduation, graduated up to the tip. Graduated with permanent silver diffusion colour.

- Brown graduated
- Upper zero point
- Calibrated to Ex
- Conformity certified
- With dated batch code



A121 °C

Total length ±5 mm.

Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Standards	Art. No.	Pack Qty.	
0.5	0,01	±0,005	360	No	DIN EN ISO 835	AH36.1	12 unit(s)	
1	0,01	±0,007	360	No	DIN EN ISO 835	AH37.1	12 unit(s)	
2	0,02	±0,01	360	No	DIN EN ISO 835	AH38.1	12 unit(s)	
5	0,05	±0,03	360	Yes	DIN EN ISO 835	AH39.1	12 unit(s)	
5	0,1	±0,03	360	Yes	in addition	AH40.1	12 unit(s)	
10	0,1	±0,05	360	Yes	DIN EN ISO 835	AH41.1	12 unit(s)	
20	0,1	±0,1	360	Yes	in addition	AH42.1	6 unit(s)	
25	0,1	±0,1	450	Yes	DIN EN ISO 835	AH43.1	6 unit(s)	
50	0,2	±0,2	450	Yes	in addition	AH44.1	6 unit(s)	

Bulb / graduated pipettes

Graduated pipettes BLAUBRAND® sprue class A

BRAND. Material: AR-GLAS®. Autoclavable: Yes.

Graduation and inscriptions in high-contrast blue enamel paint.

- Blue graduated
- Upper nominal capacity
- Calibrated to 'In'
- Total delivery
- Limits of error and tolerances according to DIN 12689
- DE-M approved



A 121 °C

Total length ±10 mm.

Delivery incl. batch certificate.

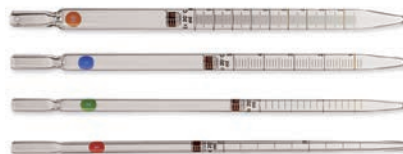
Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Standards	Art. No.	Pack Qty.	
0.1	0,001	± 0,001	360	No	DIN 12689	HXL9.1	12 unit(s)	
0.2	0,002	± 0,002	360	No	DIN 12689	HXN0.1	12 unit(s)	

Graduated pipettes for tissue cultures

Hirschmann. Material: AR-GLAS®. Autoclavable: Yes.

With main-point ring graduation. Short shape for use in sterile benches.

- Brown graduated
- Bottom zero point
- Calibrated to Ex



A 121 °C

Total length ±3 mm.

Vol. (ml)	Graduation (ml)	Total length (mm)	Cotton stopper end	Art. No.	Pack Qty.	
1	0,1	230	Yes	X157.1	12 unit(s)	
2	0,1	230	Yes	X158.1	12 unit(s)	
5	0,1	230	Yes	X159.1	12 unit(s)	
10	0,1	230	Yes	X160.1	12 unit(s)	
25	0,2	230	Yes	X162.1	12 unit(s)	

Cotton cord for pipettes

BRAND. Material: Cotton 100 %, degreased.

Light version (approx. 13 g/10 m).



Cotton stoppers can extend the draining time and thus affect the accuracy of the measurement. The results of tests using pipettes that were stoppered in cotton stopper machines were within the specified limits of error.

Version	Art. No.	Pack Qty.	
Cotton cord	HYE6.1	1 kg	



Bulb / graduated pipettes

Graduated pipettes wide opening

Hirschmann. Material: AR-GLAS®. Autoclavable: Yes.
With wide opening for tissue cultures or viscous media.

- Brown graduated
- Zero point at the top, graduated to the tip



A121 °C

Total length ±5 mm.

Vol. (ml)	Graduation (ml)	Limit of error (ml)	Total length (mm)	Cotton stopper end	Art. No.	Pack Qty.	
1	0,01	±0,01	360	No	HLC3.1	12 unit(s)	
2	0,02	±0,015	360	No	HLC4.1	12 unit(s)	
5	0,1	±0,045	360	Yes	HLC5.1	12 unit(s)	
10	0,1	±0,075	360	Yes	HLC6.1	12 unit(s)	
25	0,1	±0,15	450	Yes	HLC7.1	6 unit(s)	

Bulb pipettes BLAUBRAND® 1 mark class AS

BRAND. Material: AR-GLAS®. Autoclavable: Yes.
Ring marking and inscription in high-contrast blue enamel paint.

- Calibrated to 'Ex'
- Waiting time of 5 s
- DE-M approved



A121 °C

Total length ±10 mm (HYE5.1 ±15 mm).
Delivery incl. batch certificate.

Vol. (ml)	Limit of error (ml)	Total length (mm)	Standards	Art. No.	Pack Qty.	
0.5	± 0,005	300	DIN EN ISO 648	HYA7.1	12 unit(s)	
1	± 0,008	300	DIN EN ISO 648	HYA8.1	12 unit(s)	
2	± 0,010	330	DIN EN ISO 648	HYA9.1	12 unit(s)	
2.5	± 0,010	330	DIN EN ISO 648	HYC0.1	6 unit(s)	
3	± 0,010	330	DIN EN ISO 648	HYC1.1	6 unit(s)	
4	± 0,015	400	DIN EN ISO 648	HYC2.1	6 unit(s)	
5	± 0,015	400	DIN EN ISO 648	HYC3.1	6 unit(s)	
6	± 0,015	400	DIN EN ISO 648	HYC4.1	6 unit(s)	
7	± 0,015	400	DIN EN ISO 648	HYC5.1	6 unit(s)	
8	± 0,02	440	DIN EN ISO 648	HYC6.1	6 unit(s)	
9	± 0,02	440	DIN EN ISO 648	HYC7.1	6 unit(s)	
10	± 0,02	440	DIN EN ISO 648	HYC8.1	6 unit(s)	
15	± 0,03	510	DIN EN ISO 648	HYC9.1	6 unit(s)	
20	± 0,03	510	DIN EN ISO 648	HYE0.1	6 unit(s)	
25	± 0,03	520	DIN EN ISO 648	HYE1.1	6 unit(s)	
30	± 0,03	520	DIN EN ISO 648	HYE2.1	6 unit(s)	
40	± 0,05	540	DIN EN ISO 648	HYE3.1	6 unit(s)	
50	± 0,05	540	DIN EN ISO 648	HYE4.1	6 unit(s)	
100	± 0,08	585	DIN EN ISO 648	HYE5.1	6 unit(s)	

Bulb / graduated pipettes

Bulb pipettes BLAUBRAND® ETERNA 1 mark class AS

BRAND. Material: AR-GLAS®. Autoclavable: Yes.

Ring markings and inscriptions in ETERNA permanent amber diffusion colour

- Calibrated to 'Ex'
- Waiting time of 5 s
- DE-M approved



A 121 °C

Total length ± 10 mm.

Delivery incl. batch certificate.

Vol. (ml)	Limit of error (ml)	Total length (mm)	Standards	Art. No.	Pack Qty.	
1	$\pm 0,008$	300	DIN EN ISO 648	HXX2.1	12 unit(s)	
2	$\pm 0,010$	330	DIN EN ISO 648	HXX3.1	12 unit(s)	
5	$\pm 0,015$	400	DIN EN ISO 648	HXX4.1	6 unit(s)	
10	$\pm 0,02$	440	DIN EN ISO 648	HXX5.1	6 unit(s)	
20	$\pm 0,03$	510	DIN EN ISO 648	HXX6.1	6 unit(s)	
25	$\pm 0,03$	520	DIN EN ISO 648	HXX7.1	6 unit(s)	
50	$\pm 0,05$	540	DIN EN ISO 648	HXX8.1	6 unit(s)	

Bulb pipettes BLAUBRAND® 1 mark class AS, USP

BRAND. Material: AR-GLAS®. Autoclavable: Yes.

Ring marking and inscription in high-contrast blue enamel paint.

- Calibrated to 'Ex'
- Waiting time of 5 s
- DE-M approved



A 121 °C

Total length ± 10 mm (HYA6.1 ± 15 mm). HXX9.1: limit of error USP ± 0.006 ml.

Delivery incl. USP batch certificate.

Vol. (ml)	Limit of error (ml)	Total length (mm)	Standards	Art. No.	Pack Qty.	
0.5	$\pm 0,005$	300	DIN EN ISO 648	HXX9.1	12 unit(s)	
1	$\pm 0,008$	300	DIN EN ISO 648	HXY0.1	12 unit(s)	
2	$\pm 0,010$	330	DIN EN ISO 648	HXY1.1	12 unit(s)	
3	$\pm 0,010$	330	DIN EN ISO 648	HXY2.1	6 unit(s)	
4	$\pm 0,015$	400	DIN EN ISO 648	HXY3.1	6 unit(s)	
5	$\pm 0,015$	400	DIN EN ISO 648	HXY4.1	6 unit(s)	
6	$\pm 0,015$	400	DIN EN ISO 648	HXY5.1	6 unit(s)	
7	$\pm 0,015$	400	DIN EN ISO 648	HXY6.1	6 unit(s)	
8	$\pm 0,02$	440	DIN EN ISO 648	HXY7.1	6 unit(s)	
9	$\pm 0,02$	440	DIN EN ISO 648	HXY8.1	6 unit(s)	
10	$\pm 0,02$	440	DIN EN ISO 648	HXY9.1	6 unit(s)	
15	$\pm 0,03$	510	DIN EN ISO 648	HYA0.1	6 unit(s)	
20	$\pm 0,03$	510	DIN EN ISO 648	HYA1.1	6 unit(s)	
25	$\pm 0,03$	520	DIN EN ISO 648	HYA2.1	6 unit(s)	
30	$\pm 0,03$	520	DIN EN ISO 648	HYA3.1	6 unit(s)	
40	$\pm 0,05$	540	DIN EN ISO 648	HYA4.1	6 unit(s)	
50	$\pm 0,05$	540	DIN EN ISO 648	HYA5.1	6 unit(s)	
100	$\pm 0,08$	585	DIN EN ISO 648	HYA6.1	6 unit(s)	



Bulb / graduated pipettes

Bulb pipettes 1 mark class AS

Hirschmann. Material: AR-GLAS®. Autoclavable: Yes.
 Ring marking and brown marking (resistant silver-diffusion colour).

- Calibrated to EX
- Conformity certified
- With dated batch code



A121 °C

Total length ±10 mm.

Vol. (ml)	Limit of error (ml)	Total length (mm)	Standards	Art. No.	Pack Qty.	
0.5	±0,005	325	DIN EN ISO 648	AC84.1	12 unit(s)	
1	±0,008	325	DIN EN ISO 648	AC85.1	12 unit(s)	
2	±0,01	350	DIN EN ISO 648	AC86.1	12 unit(s)	
3	±0,01	350	in addition	AC87.1	6 unit(s)	
4	±0,015	410	in addition	AC88.1	6 unit(s)	
5	±0,015	410	DIN EN ISO 648	AC89.1	6 unit(s)	
10	±0,02	450	DIN EN ISO 648	AC90.1	6 unit(s)	
15	±0,03	520	in addition	AC91.1	6 unit(s)	
20	±0,03	520	DIN EN ISO 648	AC92.1	6 unit(s)	
25	±0,03	530	DIN EN ISO 648	AC93.1	6 unit(s)	
30	±0,03	530	in addition	AC94.1	6 unit(s)	
40	±0,05	550	in addition	AH33.1	6 unit(s)	
50	±0,05	550	DIN EN ISO 648	AH34.1	6 unit(s)	
100	±0,08	600	DIN EN ISO 648	AH35.1	6 unit(s)	

Bulb pipettes 2 marks class AS

Hirschmann. Material: AR-GLAS®.
 With two volume markings, lower marking as zero point. Ring markings and brown labelling (resistant silver-diffusion colour).

- Partial drain, volumetric measurement between both markings
- For media with special draining behaviour
- Conformity certified



Vol. (ml)	Limit of error (ml)	Total length (mm)	Standards	Art. No.	Pack Qty.	
0.5	±0,005	300	DIN EN ISO 648	HLC8.1	12 unit(s)	
1	±0,008	325	DIN EN ISO 648	HLC9.1	12 unit(s)	
2	±0,01	350	DIN EN ISO 648	HLE0.1	12 unit(s)	
3	±0,01	350	in addition	HLE1.1	6 unit(s)	
5	±0,015	410	DIN EN ISO 648	HLE2.1	6 unit(s)	
10	±0,02	450	DIN EN ISO 648	HLE3.1	6 unit(s)	
15	±0,03	520	in addition	HLE4.1	6 unit(s)	
20	±0,03	520	DIN EN ISO 648	HLE5.1	6 unit(s)	
25	±0,03	530	DIN EN ISO 648	HLE6.1	6 unit(s)	
50	±0,05	550	DIN EN ISO 648	HLE7.1	6 unit(s)	
100	±0,08	600	DIN EN ISO 648	HLE8.1	6 unit(s)	

Bulb / graduated pipettes

Bulb pipettes 1 mark, class AS

Hirschmann. Material: AR-GLAS®. Autoclavable: Yes.
Blue ring marking and labelling.

- EX calibrated
- Conformity certified
- With dated batch code



A 121 °C

Total length ±10 mm.

Vol. (ml)	Limit of error (ml)	Total length (mm)	Standards	Art. No.	Pack Qty.	
1	±0,008	325	DIN EN ISO 648	E972.1	12 unit(s)	
2	±0,01	350	DIN EN ISO 648	E973.1	12 unit(s)	
2.5	±0,01	350	DIN EN ISO 648	HLH7.1	6 unit(s)	
3	±0,01	350	in addition	E974.1	6 unit(s)	
5	±0,015	410	DIN EN ISO 648	E976.1	6 unit(s)	
10	±0,02	450	DIN EN ISO 648	E977.1	6 unit(s)	
15	±0,03	520	in addition	E978.1	6 unit(s)	
20	±0,03	520	DIN EN ISO 648	E979.1	6 unit(s)	
25	±0,03	530	DIN EN ISO 648	E980.1	6 unit(s)	
50	±0,05	550	DIN EN ISO 648	E983.1	6 unit(s)	
100	±0,08	600	DIN EN ISO 648	E984.1	6 unit(s)	

Small pack

Vol. (ml)	Limit of error (ml)	Total length (mm)	Standards	Art. No.	Pack Qty.	
1	±0,008	325	DIN EN ISO 648	E972.2	6 unit(s)	
2	±0,01	350	DIN EN ISO 648	E973.2	6 unit(s)	
5	±0,015	410	DIN EN ISO 648	E976.2	3 unit(s)	
10	±0,02	450	DIN EN ISO 648	E977.2	3 unit(s)	
20	±0,03	520	DIN EN ISO 648	E979.2	3 unit(s)	
25	±0,03	530	DIN EN ISO 648	E980.2	3 unit(s)	
50	±0,05	550	DIN EN ISO 648	E983.2	3 unit(s)	
100	±0,08	600	DIN EN ISO 648	E984.2	3 unit(s)	

Bulb pipettes 1 mark class B

Hirschmann. Material: AR-GLAS®. Autoclavable: Yes.
Ring marking and brown marking (resistant silver-diffusion colour).

- EX calibrated



A 121 °C

Total length ±10 mm.

Vol. (ml)	Limit of error (ml)	Total length (mm)	Standards	Art. No.	Pack Qty.	
1	±0,012	325	DIN EN ISO 648	E960.1	12 unit(s)	
2	±0,015	350	DIN EN ISO 648	E961.1	12 unit(s)	
5	±0,023	410	DIN EN ISO 648	E964.1	6 unit(s)	
10	±0,03	450	DIN EN ISO 648	E965.1	6 unit(s)	
20	±0,045	520	DIN EN ISO 648	E967.1	6 unit(s)	
25	±0,045	530	DIN EN ISO 648	E968.1	6 unit(s)	
50	±0,075	550	DIN EN ISO 648	E969.1	6 unit(s)	
100	±0,12	600	DIN EN ISO 648	E970.1	6 unit(s)	

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