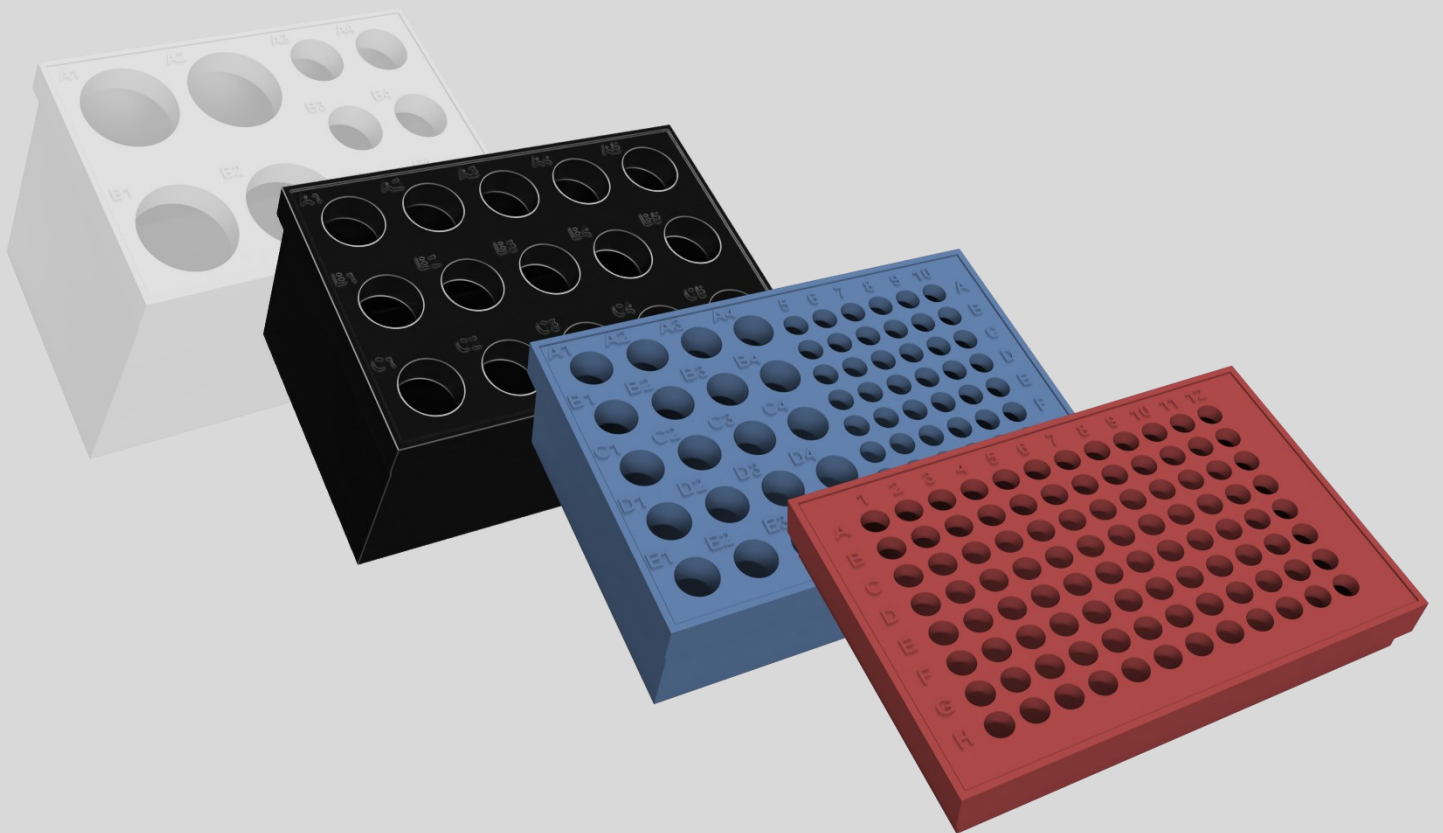


3D-LabEq

Product Catalog



3D-LabEq.de

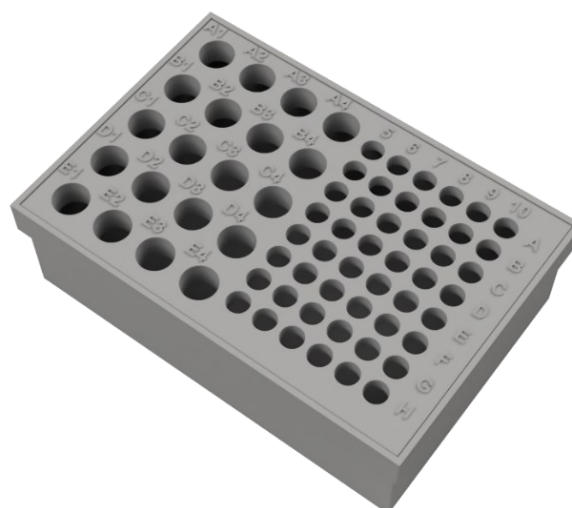
3D-PRINTED LAB EQUIPMENT

The 3D-LabEq Tube Rack and Holder Platform

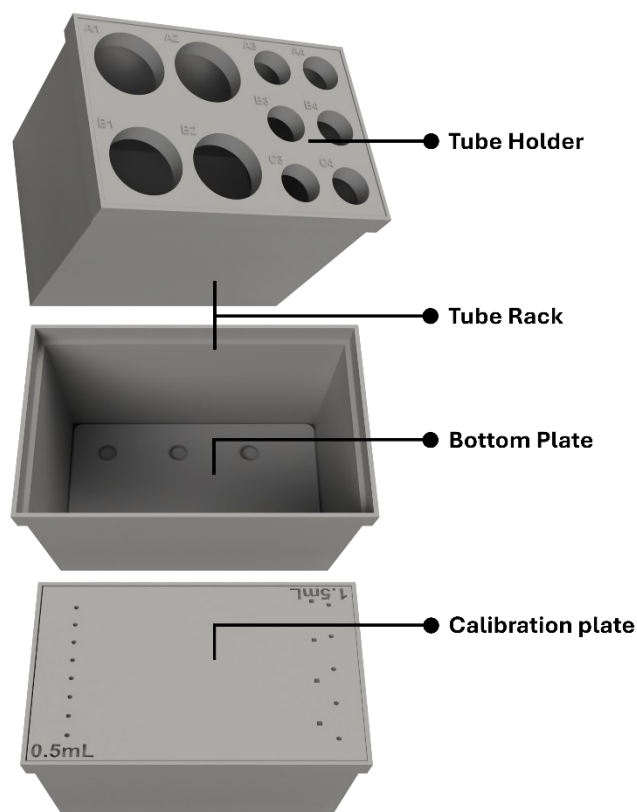
Product Highlights

3D-LabEq offers a tube racks & tube holders platform enabling higher productivity, flexibility, time efficiency, and significant expansion of protocol developments for liquid handling systems (LHS)

- Compatible for LHS such as for OpenTrons-2 and other **SBS-Format based platforms**
- All tube holders include the required labware file (.json)¹ for direct use (Plug and Play solution)
- Available in multiple tube **configurations and colors**
- High quality 3D-prints made of **long-lasting PETG material**, resistant to rusting and corrosion, ensures reliability in harsh environments.
- **Sterilizable** with common sterilization agents such as isopropanol and ethanol (not autoclavable)
- **Custom-made dimensions** and more color options upon request, fair product prices and discounts available ²
- All Tube Racks can be filled with ice for **long-term cooling**



General Product Description



Tube Holders are available in >15 different configurations for maximum usability using LHS e.g. OpenTron-2. The tube holders are designed for the standard tube types such as PCR tubes/strips/plates, microcentrifuge tubes (1.5 - 2.0 mL), cryo tubes and centrifuge tubes (15 - 50 mL). All tube holders include the required labware file (.json) for direct use and/or adjustment¹.

Tube Racks are available in four sizes (XS, S, M, L) and can be filled with ice for cooling³.

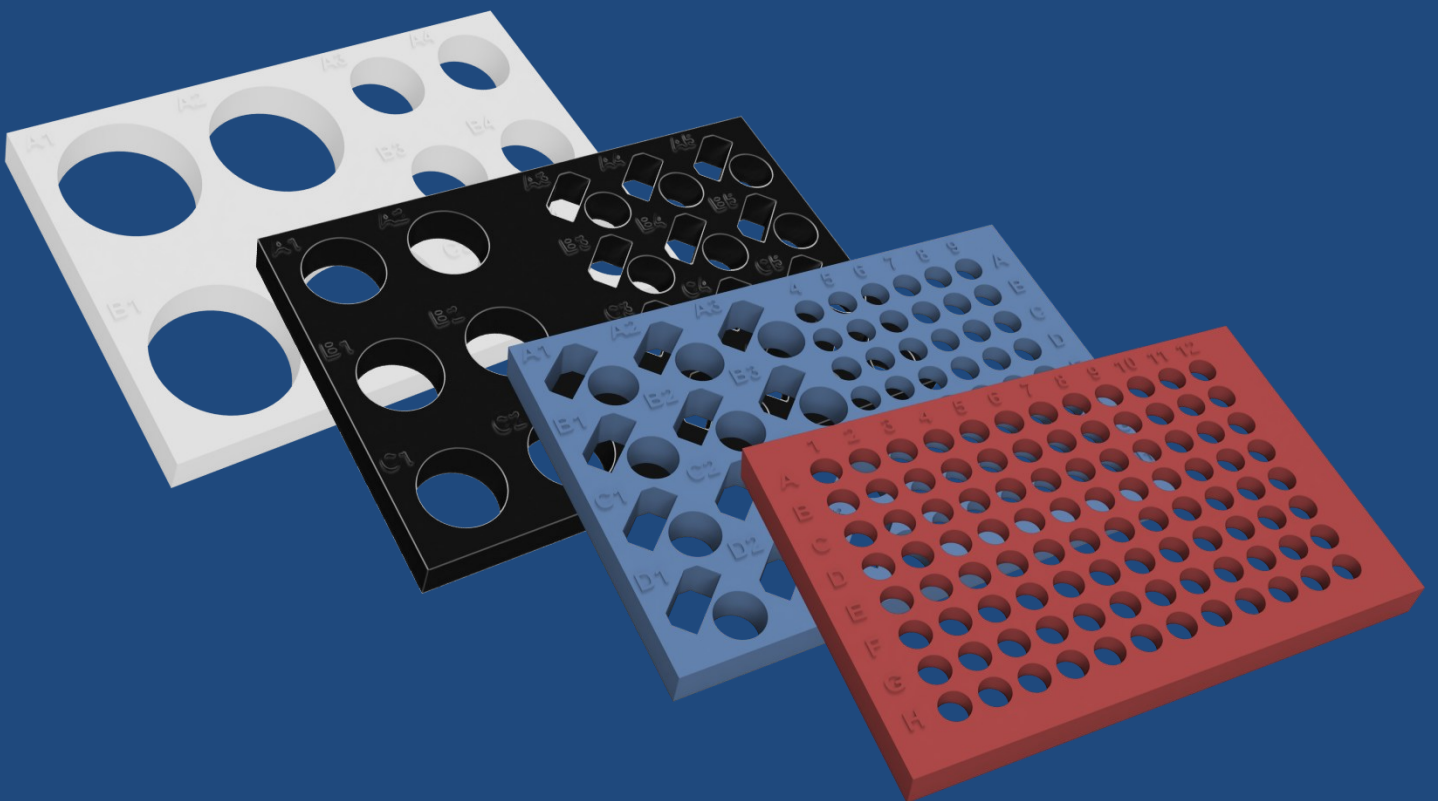
Bottom Plates are designed to ensure the correct positioning of 15 mL and 50 mL centrifuge tubes within the Tube Rack L⁴.

Calibration Plates are designed to precisely calibrate the central tube positions in all three dimensions (X, Y, Z). The plates can be placed into all tube racks.

Notes

- ¹**Important Note:** The labware files are created according to OpenTrons templates. Labware calibration is still required following OpenTrons labware calibration process. This also depends on the tube manufacturers tube specification.
- ²When purchasing larger quantities, we offer attractive discounts – contact us for a customized quote!
- ³All tube racks are tested for at least 72h of water resistance
- ⁴It's strongly recommended using the bottom plate for the 50 mL and 15 mL tube holders. All labware files (json) are created using the bottom plates in order to ensure correct positioning and height of the tubes. If no bottom plate is used, the top and bottom height measurements **does not** reflect dimensions used in the labware files (json). Wrong calibration and usage of the labware can cause damage to the OpenTrons robot.

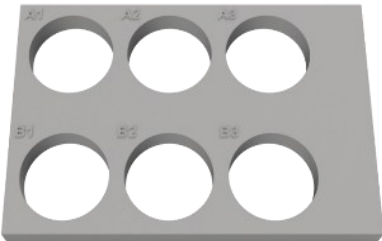
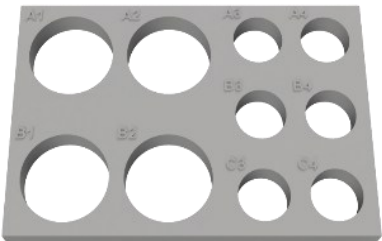
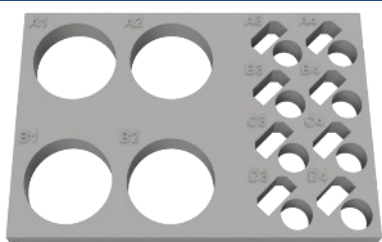
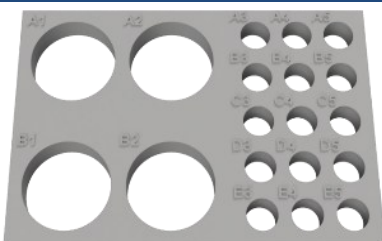
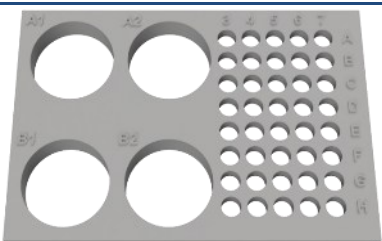
Tube Holders



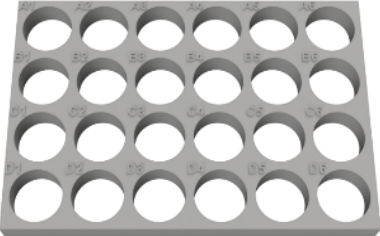
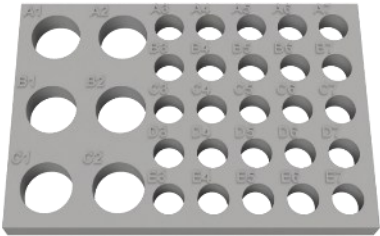
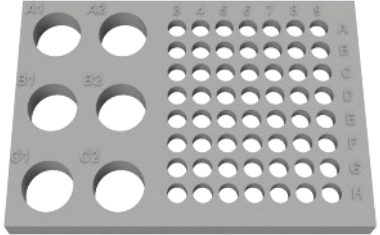
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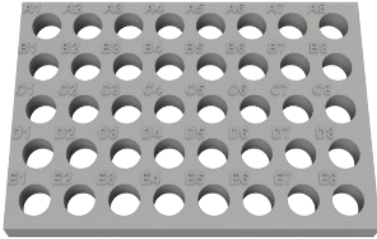
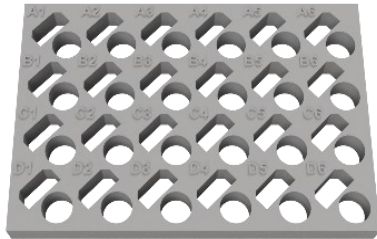
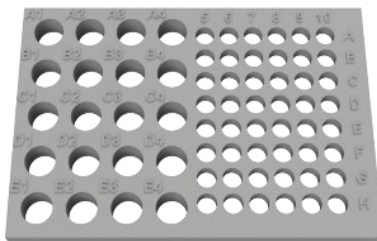
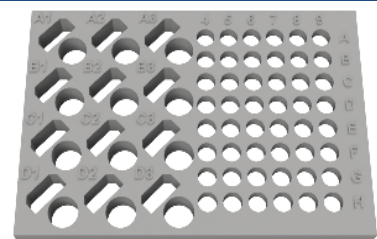
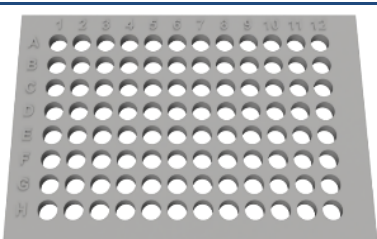
Tube Holders

	Name / Description	Suitable Tubes	Compatible Tube Racks	Compatible Bottom Plates	Color	Article No.
	<p>Tube Holder 6</p> <p>Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 30.9 mm (50 mL)</p>	6x 50 mL centrifuge tubes	Tube Rack L	Bottom Plate 6	White	001-01-1
					Black	001-01-2
					Blue	001-01-3
					Red	001-01-4
	<p>Tube Holder 10</p> <p>Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 30.9 mm (50 mL), 18.2 mm (15 mL)</p>	4x 50 mL centrifuge tubes 6x 15 mL centrifuge tubes	Tube Rack L	Bottom Plate 10	White	001-02-1
					Black	001-02-2
					Blue	001-02-3
					Red	001-02-4
	<p>Tube Holder 12</p> <p>Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 30.9 mm (50 mL), 11 mm (1.5 / 2 mL)</p>	4x 50 mL centrifuge tubes 8x 1.5 / 2 mL microcentrifuge tubes (flip cap)	Tube Rack L	Bottom Plate 6 Bottom Plate 10	White	001-03-1
					Black	001-03-2
					Blue	001-03-3
					Red	001-03-4
	<p>Tube Holder 19</p> <p>Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 30.9 mm (50 mL), 11 mm (1.5 / 2 mL)</p>	4x 50 mL centrifuge tubes 15x 1.5 / 2 mL microcentrifuge tubes, cryo tubes (screw cap)	Tube Rack L	Bottom Plate 6 Bottom Plate 10	White	001-04-1
					Black	001-04-2
					Blue	001-04-3
					Red	001-04-4
	<p>Tube Holder 44</p> <p>Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 30.9 mm (50 mL), 7 mm (0.2 / 0.5 mL)</p>	4x 50 mL centrifuge tubes 40x 0.2 / 0.5 mL PCR tubes, stripes	Tube Rack L	Bottom Plate 6 Bottom Plate 10	White	001-05-1
					Black	001-05-2
					Blue	001-05-3
					Red	001-05-4

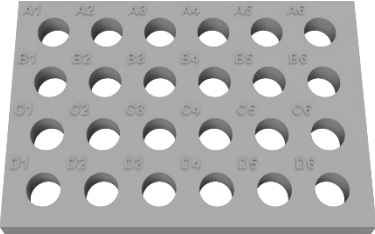
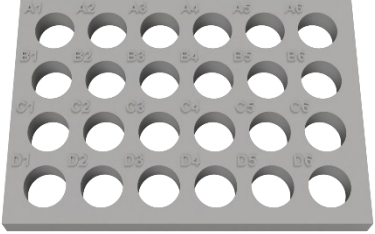
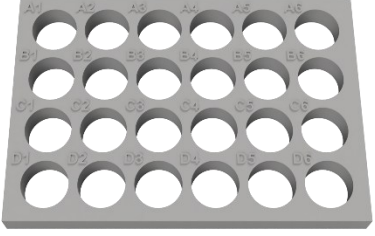
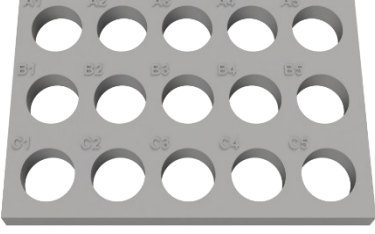
Tube Holders

	Name / Description	Suitable Tubes	Compatible Tube Racks	Compatible Bottom Plates	Color	Article No.
	Tube Holder 24-1 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 18.2 mm (15 mL)	24x 15 mL centrifuge tubes (without lid)	Tube Rack L	Bottom Plate 24	White	001-06-1
					Black	001-06-2
					Blue	001-06-3
					Red	001-06-4
	Tube Holder 15-1 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 18.2 mm (15 mL)	15x 15 mL centrifuge tubes	Tube Rack L	Bottom Plate 15	White	001-07-1
					Black	001-07-2
					Blue	001-07-3
					Red	001-07-4
	Tube Holder 18 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 18.2 mm (15 mL), 11 mm (1.5 / 2 mL)	6x 15 mL centrifuge tubes 12x 1.5 / 2 mL microcentrifuge tubes (flip cap)	Tube Rack L	Bottom Plate 15	White	001-08-1
					Black	001-08-2
					Blue	001-08-3
					Red	001-08-4
	Tube Holder 31 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 18.2 mm (15 mL), 11 mm (1.5 / 2 mL)	6x 15 mL centrifuge tubes 25x 1.5 / 2 mL microcentrifuge tubes, cryo tubes (screw cap)	Tube Rack L	Bottom Plate 15	White	001-09-1
					Black	001-09-2
					Blue	001-09-3
					Red	001-09-4
	Tube Holder 62 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 18.2 mm (15 mL), 7 mm (0.2 / 0.5 mL)	6x 15 mL centrifuge tubes 56x 0.2 / 0.5 mL PCR tubes, stripes	Tube Rack L	Bottom Plate 15	White	001-10-1
					Black	001-10-2
					Blue	001-10-3
					Red	001-10-4

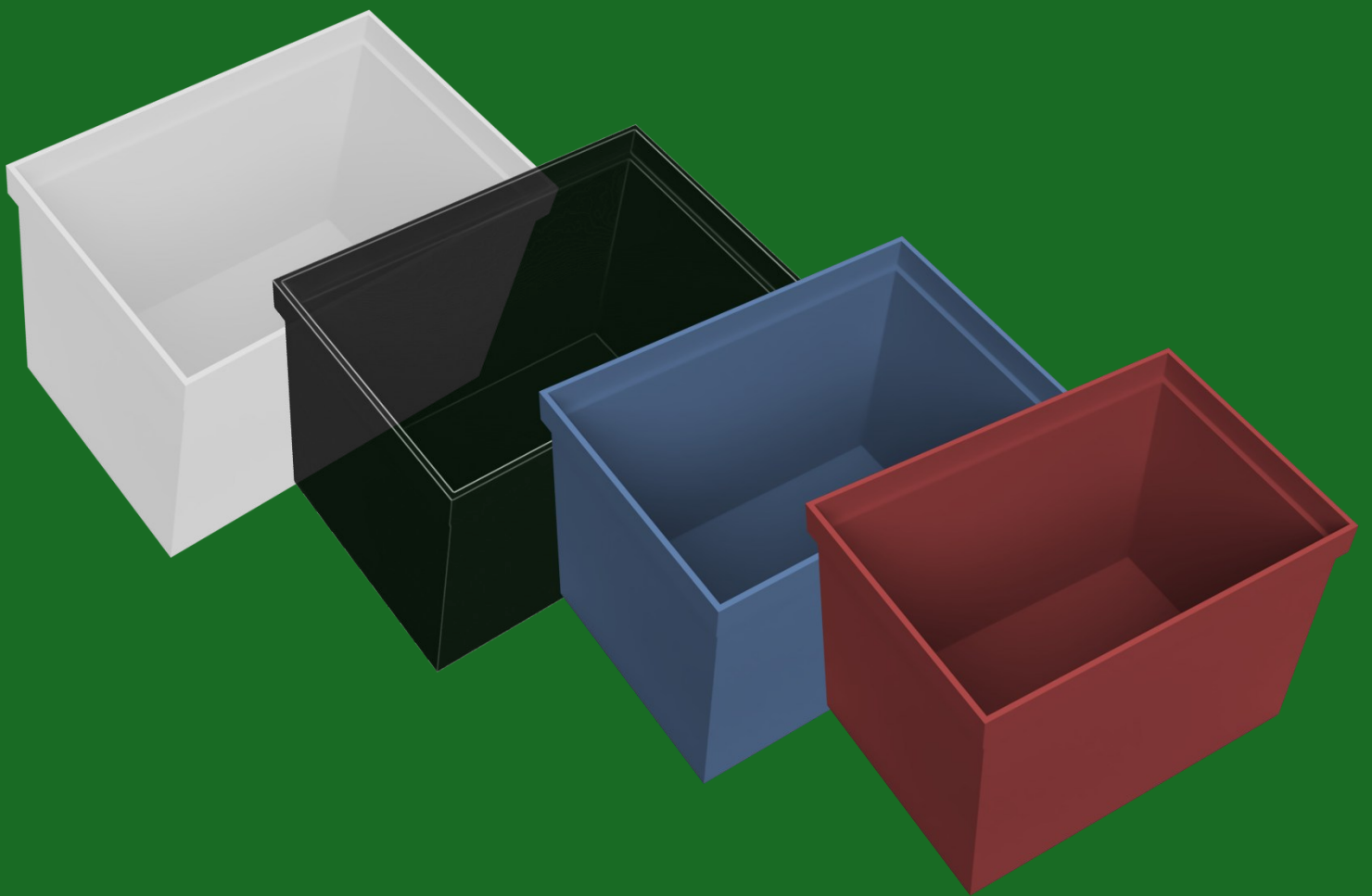
Tube Holders

	Name / Description	Suitable Tubes	Compatible Tube Racks	Compatible Bottom Plates	Color	Article No.
	Tube Holder 40 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 11 mm (1.5 / 2 mL)	40x 1.5 / 2 mL microcentrifuge tubes, cryo tubes (screw cap)	Tube Rack S Tube Rack M Tube Rack L	n/a	White	001-11-1
					Black	001-11-2
					Blue	001-11-3
					Red	001-11-4
	Tube Holder 24-2 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 11 mm (1.5 / 2 mL)	6x 15 mL centrifuge tubes 12x 1.5 / 2 mL microcentrifuge tubes (flip cap)	Tube Rack S Tube Rack M Tube Rack L	n/a	White	001-12-1
					Black	001-12-2
					Blue	001-12-3
					Red	001-12-4
	Tube Holder 68 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 11 mm (1.5 / 2 mL), 7 mm (0.2 / 0.5 mL)	48x 0.2 / 0.5 mL PCR tubes, stripes 20x 1.5 / 2 mL microcentrifuge & cryo tubes (screw cap)	Tube Rack S Tube Rack M Tube Rack L	n/a	White	001-13-1
					Black	001-13-2
					Blue	001-13-3
					Red	001-13-4
	Tube Holder 57 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 11 mm (1.5 / 2 mL), 7 mm (0.2 / 0.5 mL)	9x 1.5 / 2 mL microcentrifuge tubes (flip cap) 48x 0.2 / 0.5 mL PCR tubes, stripes	Tube Rack S Tube Rack M Tube Rack L	n/a	White	001-14-1
					Black	001-14-2
					Blue	001-14-3
					Red	001-14-4
	Tube Holder 96 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 7 mm (0.2 / 0.5 mL)	96x 0.2 / 0.5 mL PCR tubes, stripes, plates	Tube Rack XS Tube Rack S Tube Rack M Tube Rack L	n/a	White	001-15-1
					Black	001-15-2
					Blue	001-15-3
					Red	001-15-4



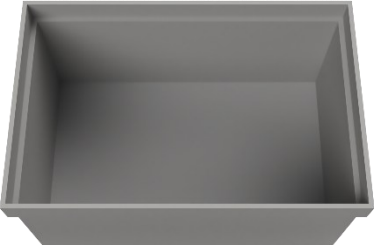
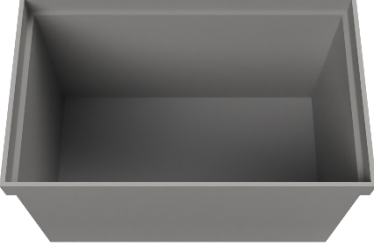
Tube Holders

	Name / Description	Suitable Tubes	Compatible Tube Racks	Compatible Bottom Plates	Color	Article No.
	Tube Holder 24-3 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 12 mm (2 mL)	24x 2 mL HPLC vials	Tube Rack XS	n/a	White	001-16-1
					Black	001-16-2
					Blue	001-16-3
					Red	001-16-4
	Tube Holder 24-4 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 15 mm (4 mL)	24x 4 mL HPLC vials	Tube Rack S	n/a	White	001-17-1
					Black	001-17-2
					Blue	001-17-3
					Red	001-17-4
	Tube Holder 24-5 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 17 mm (7 mL)	24x 7 mL HPLC vials	Tube Rack XS Tube Rack S	n/a	White	001-18-1
					Black	001-18-2
					Blue	001-18-3
					Red	001-18-4
	Tube Holder 15-2 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 19 mm (5 mL)	15x 5 mL microcentrifuge & cryo tubes (screw cap)	Tube Rack M Tube Rack L	n/a	White	001-19-1
					Black	001-19-2
					Blue	001-19-3
					Red	001-19-4
	Tube Holder 15-3 Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm max. tube ø: 16 mm (5 mL)	20x 5 mL microcentrifuge & cryo tubes (screw cap)	Tube Rack M Tube Rack L	n/a	White	001-20-1
					Black	001-20-2
					Blue	001-20-3
					Red	001-20-4

Tube Racks



Tube Racks

	Name / Description	Suitable Tubes	Compatible Tube Holders	Compatible Bottom Plates	Color	Article No.
	Tube Rack XS Dimensions: Top (LxWxH) 132 x 90 x 20 mm Bottom (LxW): 127.8 x 85.8 mm (SBS-Format)	HPLC vials 0.2 / 0.5 mL PCR tubes, stipes, plates	Tube Holder 24-3 Tube Holder 24-4 Tube Holder 96	n/a	White	002-01-1
					Black	002-01-2
					Blue	002-01-3
					Red	002-01-4
	Tube Rack S Dimensions: Top (LxWxH) 132 x 90 x 40 mm Bottom (LxW): 127.8 x 85.8 mm (SBS-Format)	0.2 / 0.5 mL PCR tubes, stipes, plates 1.5 / 2 mL microcentrifuge tubes, cryo tubes	Tube Holder 24-2 Tube Holder 24-4 Tube Holder 24-5 Tube Holder 40 Tube Holder 68 Tube Holder 57 Tube Holder 96	n/a	White	002-02-1
					Black	002-02-2
					Blue	002-02-3
					Red	002-02-4
	Tube Rack M Dimensions: Top (LxWxH) 132 x 90 x 70 mm Bottom (LxW): 127.8 x 85.8 mm (SBS-Format)	0.2 / 0.5 mL PCR tubes, stipes, plates 1.5 / 2 mL microcentrifuge tubes, cryo tubes 5 mL centrifuge tubes	Tube Holder 24-2 Tube Holder 15-2 Tube Holder 15-3 Tube Holder 40 Tube Holder 68 Tube Holder 57 Tube Holder 96	n/a	White	002-03-1
					Black	002-03-2
					Blue	002-03-3
					Red	002-03-4
	Tube Rack L Dimensions: Top (LxWxH) 132 x 90 x 100 mm Bottom (LxW): 127.8 x 85.8 mm (SBS-Format)	0.2 / 0.5 mL PCR tubes, stipes, plates 1.5 / 2 mL microcentrifuge tubes, cryo tubes 5 mL, 15 mL, 50 mL centrifuge tubes	All available Tube Holders	Bottom Plate 6 Bottom Plate 10 Bottom Plate 15 Bottom Plate 25	White	002-04-1
					Black	002-04-2
					Blue	002-04-3
					Red	002-04-4


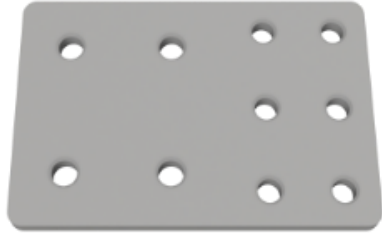
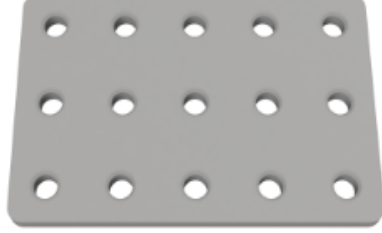
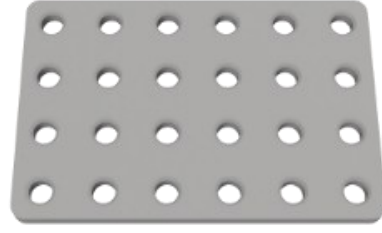
Bottom Plates



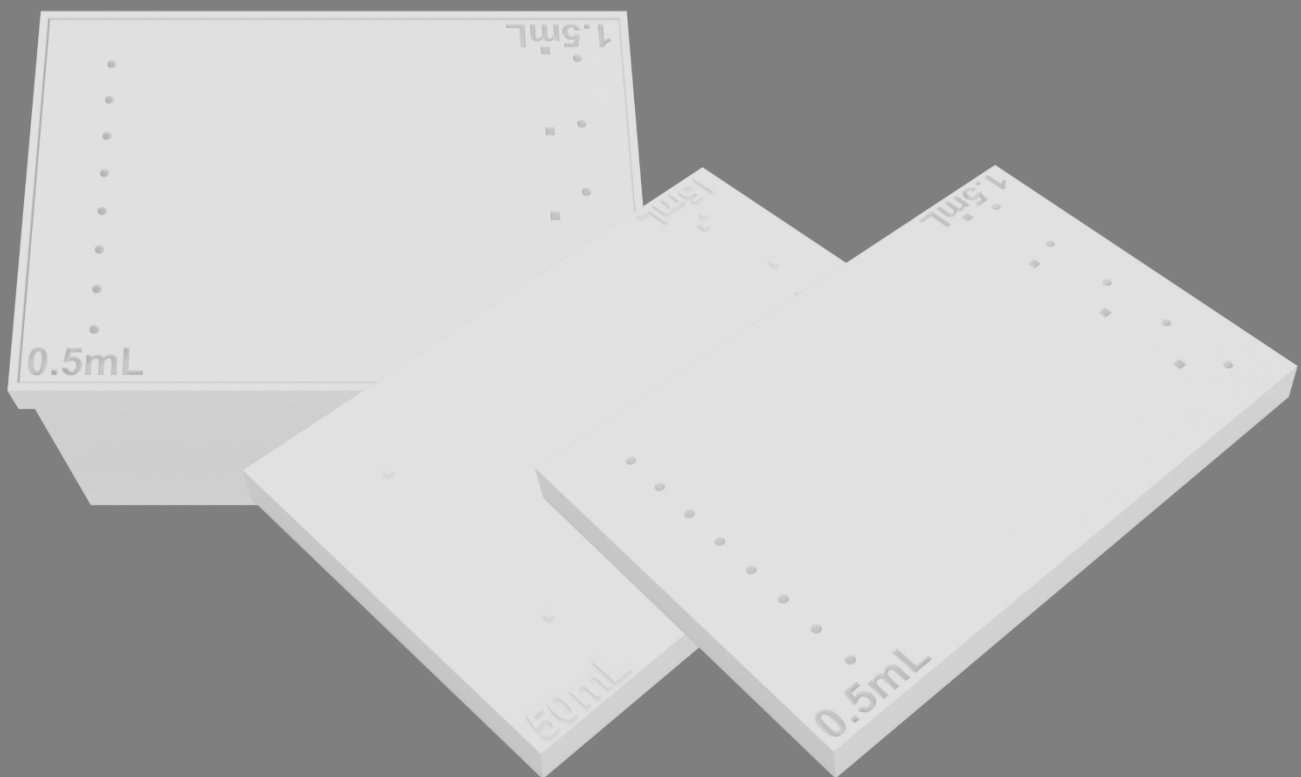
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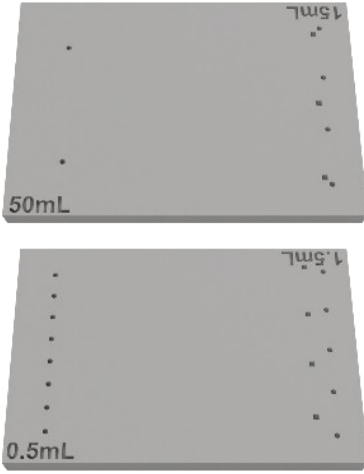
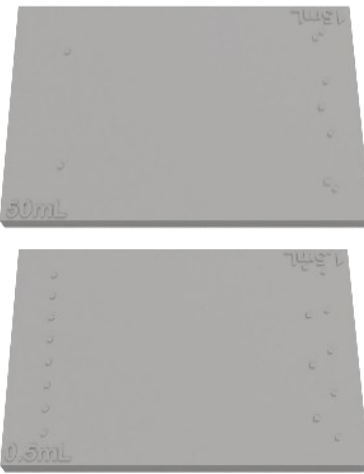
Bottom Plates

	Name / Description	Suitable Tubes	Compatible Tube Holders	Compatible Tube Racks Plates	Color	Article No.
	<p>Bottom Plate 6</p> <p>Dimensions: LxWxH: 124 x 82 x 6.5 mm</p>	50 mL centrifuge tubes	Tube Holder 6 Tube Holder 12 Tube Holder 19 Tube Holder 44	Tube Rack L	White	003-01-1
	<p>Bottom Plate 10</p> <p>Dimensions: LxWxH: 124 x 82 x 6.5 mm</p>	15 mL centrifuge tubes 50 mL centrifuge tubes	Tube Holder 10 Tube Holder 12 Tube Holder 19 Tube Holder 44	Tube Rack L	White	003-02-1
	<p>Bottom Plate 15</p> <p>Dimensions: LxWxH: 124 x 82 x 6.5 mm</p>	15 mL centrifuge tubes	Tube Holder 15 Tube Holder 18 Tube Holder 31 Tube Holder 62	Tube Rack L	White	003-03-1
	<p>Bottom Plate 24</p> <p>Dimensions: LxWxH: 124 x 82 x 6.5 mm</p>	15 mL centrifuge tubes	Tube Holder 24-1	Tube Rack L	White	003-04-1

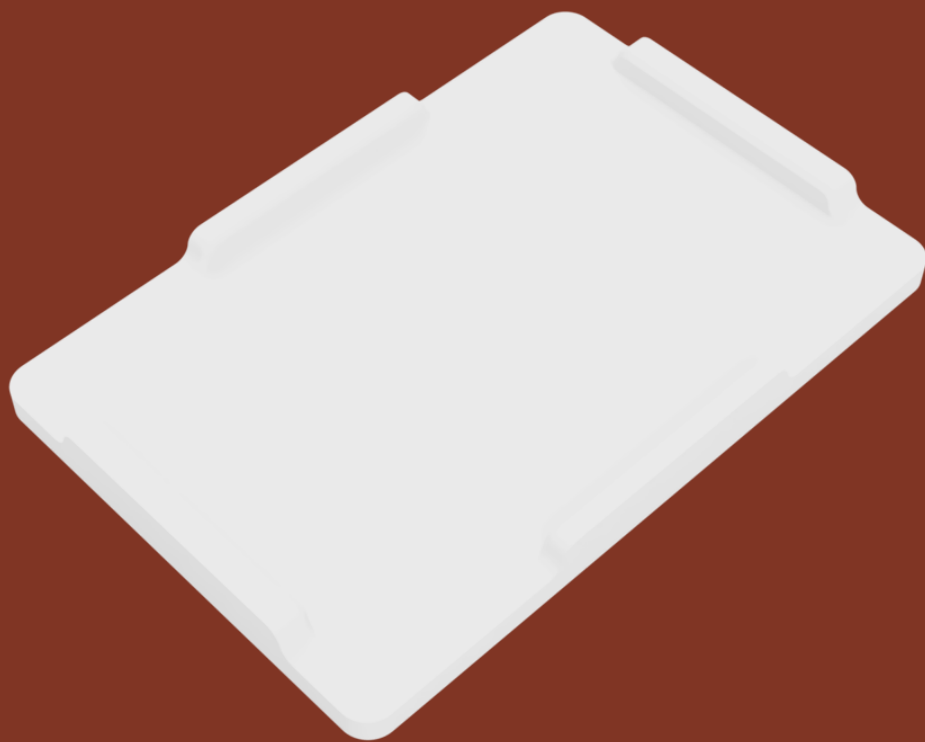
Calibration Plates




Calibration Plates

	Name / Description	Suitable Tubes	Compatible Tube Holders	Compatible Tube Racks Plates	Color	Article No.
	<p>Calibration Plate debossed</p> <p>Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm</p> <p>double-sided</p>	<p>1.5 / 2 mL microcentrifuge tubes, cryo tubes 5 mL, 15 mL, 50 mL centrifuge tubes</p>	<p>all Tube Holder</p>	<p>all Tube Racks</p>	<p>White</p>	<p>004-01-1</p>
	<p>Calibration Plate embossed</p> <p>Dimensions: LxWxH: 127.8 x 85.8 x 10.2 mm</p> <p>single-sided</p>	<p>1.5 / 2 mL microcentrifuge tubes, cryo tubes 5 mL, 15 mL, 50 mL centrifuge tubes</p>	<p>all Tube Holder</p>	<p>all Tube Racks</p>	<p>White</p>	<p>004-02-1</p>

Pipette Tip Rack Holder



Pipette Tip Rack Holder

	Name / Description	Suitable Pipette Tip Rack	Compatible Tube Holders	Compatible Tube Racks Plates	Color	Article No.
	<p>Pipette Tip Rack Holder 1</p> <p>Dimensions: LxWxH: 124 x 82 x 10.0 mm</p>	TipOne® 96 tip rack yellow (200 µL)	n/a	n/a	White	005-01-1

Price List Tube Holders

	Name	Color	Article No.	Price €
1	Tube Holder 6	White	001-01-1	24.50
		Black	001-01-2	24.50
		Blue	001-01-3	24.50
		Red	001-01-4	24.50
2	Tube Holder 10	White	001-02-1	24.50
		Black	001-02-2	24.50
		Blue	001-02-3	24.50
		Red	001-02-4	24.50
3	Tube Holder 12	White	001-03-1	24.50
		Black	001-03-2	24.50
		Blue	001-03-3	24.50
		Red	001-03-4	24.50
4	Tube Holder 19	White	001-04-1	24.50
		Black	001-04-2	24.50
		Blue	001-04-3	24.50
		Red	001-04-4	24.50
5	Tube Holder 44	White	001-05-1	24.50
		Black	001-05-2	24.50
		Blue	001-05-3	24.50
		Red	001-05-4	24.50
6	Tube Holder 24-1	White	001-06-1	24.50
		Black	001-06-2	24.50
		Blue	001-06-3	24.50
		Red	001-06-4	24.50
7	Tube Holder 15-1	White	001-07-1	24.50
		Black	001-07-2	24.50
		Blue	001-07-3	24.50
		Red	001-07-4	24.50
8	Tube Holder 18	White	001-08-1	24.50
		Black	001-08-2	24.50
		Blue	001-08-3	24.50
		Red	001-08-4	24.50
9	Tube Holder 31	White	001-09-1	24.50
		Black	001-09-2	24.50
		Blue	001-09-3	24.50
		Red	001-09-4	24.50
10	Tube Holder 44	White	001-10-1	24.50
		Black	001-10-2	24.50
		Blue	001-10-3	24.50
		Red	001-10-4	24.50
11	Tube Holder 40	White	001-11-1	24.50
		Black	001-11-2	24.50
		Blue	001-11-3	24.50
		Red	001-11-4	24.50
12	Tube Holder 24-2	White	001-12-1	24.50
		Black	001-12-2	24.50
		Blue	001-12-3	24.50
		Red	001-12-4	24.50
13	Tube Holder 68	White	001-13-1	24.50
		Black	001-13-2	24.50
		Blue	001-13-3	24.50
		Red	001-13-4	24.50
14	Tube Holder 57	White	001-14-1	24.50
		Black	001-14-2	24.50
		Blue	001-14-3	24.50
		Red	001-14-4	24.50
15	Tube Holder 96	White	001-15-1	24.50
		Black	001-15-2	24.50
		Blue	001-15-3	24.50
		Red	001-15-4	24.50
16	Tube Holder 24-3	White	001-16-1	24.50
		Black	001-16-2	24.50
		Blue	001-16-3	24.50
		Red	001-16-4	24.50
17	Tube Holder 24-4	White	001-17-1	24.50
		Black	001-17-2	24.50
		Blue	001-17-3	24.50
		Red	001-17-4	24.50
18	Tube Holder 24-5	White	001-18-1	24.50
		Black	001-18-2	24.50
		Blue	001-18-3	24.50
		Red	001-18-4	24.50
19	Tube Holder 15-2	White	001-19-1	24.50
		Black	001-19-2	24.50
		Blue	001-19-3	24.50
		Red	001-19-4	24.50
20	Tube Holder 15-3	White	001-20-1	24.50
		Black	001-20-2	24.50
		Blue	001-20-3	24.50
		Red	001-20-4	24.50

Price List Tube racks

	Name	Color	Article No.	Price €
1	Tube Rack XS	White	002-01-1	29.50
		Black	002-01-2	29.50
		Blue	002-01-3	29.50
		Red	002-01-4	29.50
2	Tube Rack S	White	002-02-1	35.00
		Black	002-02-2	35.00
		Blue	002-02-3	35.00
		Red	002-02-4	35.00
3	Tube Rack M	White	002-03-1	39.50
		Black	002-03-2	39.50
		Blue	002-03-3	39.50
		Red	002-03-4	39.50
4	Tube Rack L	White	002-04-1	49.50
		Black	002-04-2	49.50
		Blue	002-04-3	49.50
		Red	002-04-4	49.50

Price List Bottom Plates

	Name	Color	Article No.	Price €
1	Bottom Plate 6	White	003-01-1	15.00
2	Bottom Plate 10	White	003-02-1	15.00
3	Bottom Plate 15	White	003-03-1	15.00
4	Bottom Plate 24	White	003-04-1	15.00

Price List Calibration Plates

	Name	Color	Article No.	Price €
1	Calibration Plate debossed	White	004-01-1	19.50
2	Calibration Plate embossed	White	004-02-1	19.50

Price List Pipette Tip Rack Holders

	Name	Color	Article No.	Price €
1	Pipette Tip Rack Holder 1	White	005-01-1	19.50

Notes:

CONTACT

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VAT number: DE366387982

Finom Bank:

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BIC: SOBKDEBBXXX

