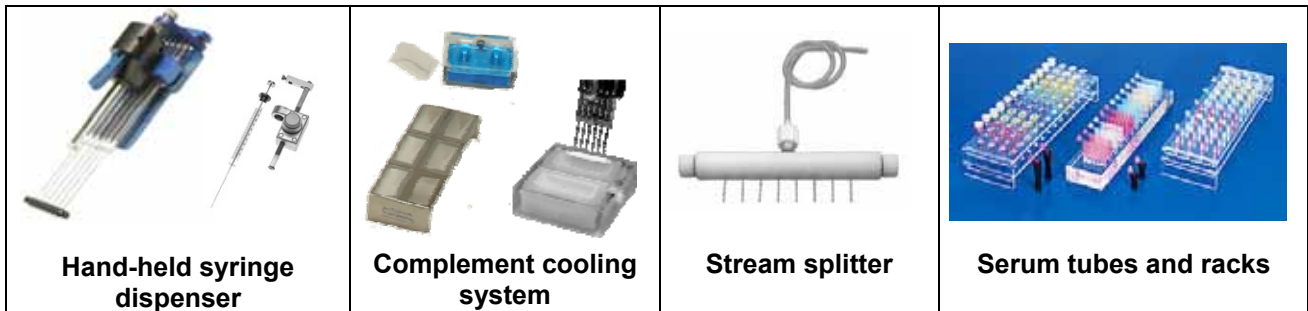


Tissue Typing Products Brochure 2020



Single and multiple hand-held syringe dispensers

- Designed to simplify the multiple liquid handling steps in serological tests.
- Single, six and eight precision glass syringes in a hand-held, push button repeating dispensing mechanism.
- Less than 1% variation between the single syringes.
- Syringe plungers with PTFE tips. Replacement syringes and plungers are available.
- Syringe volumes from 25 µl to 500 µl.
- Graduated to deliver 1/50 of the total volume.
- All hand-held dispensers are also available with shooting needle (see page 2).



New Cat. No.	Old Cat. No.	Description	Cs.
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Hand-held 6-syringe dispenser for Terasaki plates, soft drop Spacing: 6,35 mm

102-1000-00	1021-00-0	25 µl syringes, 0,5 µl delivered per step	1
102-1000-01	1021-01-0	50 µl syringes, 1,0 µl delivered per step	1
102-1000-02	1021-02-0	100 µl syringes, 2,0 µl delivered per step	1
102-1000-03	1021-03-0	250 µl syringes, 5,0 µl delivered per step	1
102-1000-04	1021-04-0	500 µl syringes, 10,0 µl delivered per step	1

Hand-held 8-syringes dispenser for microplates, soft drop Spacing: 9 mm

102-1000-20	1021-20-0	25 µl syringes, 0,5 µl delivered per step	1
102-1000-21	1021-21-0	50 µl syringes, 1,0 µl delivered per step	1
102-1000-22	1021-22-0	100 µl syringes, 2,0 µl delivered per step	1
102-1000-23	1021-23-0	250 µl syringes, 5,0 µl delivered per step	1
102-1000-24	1021-24-0	500 µl syringes, 10,0 µl delivered per step	1

Replacement graduated syringes for hand-held dispenser, soft drop

102-2000-00	1022-00-0	25 µl syringes, 0,5 µl delivered per step	1
102-2000-01	1022-01-0	50 µl syringes, 1,0 µl delivered per step	1
102-2000-02	1022-02-0	100 µl syringes, 2,0 µl delivered per step	1
102-2000-03	1022-03-0	250 µl syringes, 5,0 µl delivered per step	1
102-2000-04	1022-04-0	500 µl syringes, 10,0 µl delivered per step	1

Replacement PTFE tips for graduated syringes

105-9000-00	1059-00-0	for 25 µl syringe dispenser	6
105-9010-01	1059-01-0	for 50 µl syringe dispenser	6
105-9020-01	1059-02-0	for 100 µl syringe dispenser	6
105-9030-01	1059-03-0	for 250 µl syringe dispenser	6
105-9040-01	1059-04-0	for 500 µl syringe dispenser	6
105-9900-01	-	PTFE tips loading tool	1

New Cat. No.	Old Cat. No.	Description
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Cs.

Tissue typing single microsyringes and repeating dispensers

- Coated stainless steel syringes (fixed, inflexible)
- „Soft-drop“, wide syringes, hanging drops by dispensing
- „Shooting“, narrow syringes, drop-dispensing by pressure
- 50 step repeating dispenser

102-3000-01	1023-01-0	50 µl „Soft-drop“ syringe, 1,0 µl delivered per step	1
102-3001-01	1023-01-1	50 µl „Shooting“ syringe, 1,0 µl delivered per step	1
102-3000-02	1023-02-0	100 µl, „Soft-drop“ syringe, 2,0 µl delivered per step	1
102-3001-02	-	100 µl „Shooting“ syringe, 2,0 µl delivered per step	1
102-3000-03	1023-03-0	250 µl, „Soft-drop“ syringe, 5,0 µl delivered per step	1
102-3001-03	-	250 µl „Shooting“ syringe, 5,0 µl delivered per step	1
102-3000-04	1023-04-0	500 µl, „Soft-drop“ syringe, 10,0 µl delivered per step	1
102-4000-00	1024-00-0	Repeating dispenser (for 102-3000-00 through -04)	1



Cell microsyringes and repeating dispensers

- 80 step repeating dispenser
- For filling 60-well or 72-well Terasaki plates

106-0000-00	1060-00-0	Cell syringe, 80 µl, „Soft-drop-Model“, stainless steel	1
106-0001-00	1060-00-1	Cell syringe, 80 µl, „Shooting-Model“, stainless steel	1
106-1000-00	1061-00-0	Repeating dispenser for 80 µl cell syringe	1



Cover slips for Terasaki plates

- Dimensions: 50 mm x 75 mm
- Thickness: 0.19 – 0.25 mm

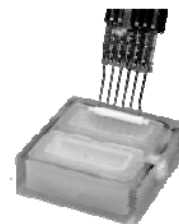


100-8000-00	1008-00-0	Glass cover slips	100
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Cs.

“Complement Cooling System” and accessories

- Cooling system for 6 x 10 ml complement cups
- Reusable Lucite cooling block filled with refreezable coolant
- For tests without icebath
- Holds temperature below 5 °C for over one hour



103-5000-00	1035-00-0	Complement Cooling System (including cooling block, lid and 2 complement cups)	1
103-6000-00	1036-00-0	Complement cups, polypropylene, 10 ml, autoclavable	100
103-7000-00	1037-00-0	Rack for complement cups, 6 positions, stainless steel	1

Cs.

Stream Splitter

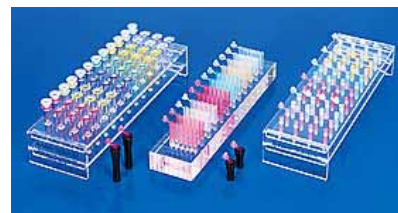
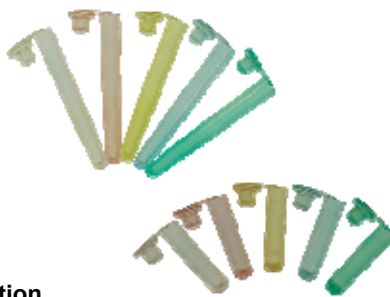
- For 36-, 60-, 72- und 96-well plates
- Applicable for Oil, Eosin or Formalin
- Appropriate fittings for connection to the dispenser
- 3 dispensing heads available: 6, 8 or 12 needles
- Autoclavable



102-5000-00	1025-00-0	Stream splitter, 6-needle for 36-, 60-, 72-, 96-well tissue typing trays
102-5040-00	1025-04-0	Stream splitter, 8-needle, 9 mm spacing for microtiter plates
102-5010-00	-	Stream splitter, 10-needle for 60-well tissue typing trays
102-5020-00	1025-02-0	Stream splitter, 12-needle, for 72-well tissue typing trays
102-5030-00	1025-03-0	Stream splitter, 12-needle, for 96-well tissue typing trays
102-5020-12	1025-02-12R	Stream splitter, 12-needle, 9 mm spacing (wide bore for microtiter plates)
102-5100-00	1025-10-0	Stream Splitter Repair Kit (including tubing, cleaning wires, connectors and gaskets)

Serum tubes

- Rimless, Polyethylene
- For suitable racks see below
- Can be stored below -70 °C
- With or without caps
- Clear, red, yellow, blue or green



New Cat. No.	Old Cat. No.	Description	Cs.
100-9030-00	1009-03-0	200 µl, attached cap, clear	1000
100-9030-01	1009-03-1	200 µl, attached cap, red	1000
100-9030-02	1009-03-2	200 µl attached cap, yellow	1000
100-9030-03	1009-03-3	200 µl, attached cap, blue	1000
100-9030-04	1009-03-4	200 µl, attached cap, green	1000
100-9030-09	-	200 µl, attached cap, mixed	4 x 250
100-9050-00	1009-05-0	200 µl, capless, clear	1000
100-9050-01	1009-05-1	200 µl, capless, red	1000
100-9050-02	1009-05-2	200 µl, capless, yellow	1000
100-9050-03	1009-05-3	200 µl, capless, blue	1000
100-9050-04	1009-05-4	200 µl, capless, green	1000
100-9050-09	-	200 µl, capless, mixed	4 x 250
100-9040-00	1009-04-0	400 µl, attached cap, clear	1000
100-9040-01	1009-04-1	400 µl, attached cap, red	1000
100-9040-02	1009-04-2	400 µl, attached cap, yellow	1000
100-9040-03	1009-04-3	400 µl, attached cap, blue	1000
100-9040-04	1009-04-4	400 µl, attached cap, green	1000
100-9040-09	-	400 µl, attached cap, mixed	4 x 250
100-9060-00	1009-06-0	400 µl, capless, clear	1000
100-9060-01	1009-06-1	400 µl, capless, red	1000
100-9060-02	1009-06-2	400 µl, capless, yellow	1000
100-9060-03	1009-06-3	400 µl, capless, blue	1000
100-9060-04	1009-06-4	400 µl, capless, green	1000
100-9060-09	-	400 µl, capless, mixed	4 x 250

Microcentrifuge tubes

- Polystyrene
- Can be stored at -70 °C, especially applicable for biological material
- Without cap
- Polyethylen caps separately available
- Clear, red, yellow, blue, green, purple or peach



101-0000-00	1010-00-0	1 ml, clear	1000
101-0000-01	1010-00-1	1 ml, red	1000
101-0000-02	1010-00-2	1 ml, yellow	1000
101-0000-03	1010-00-3	1 ml, blue	1000
101-0000-04	1010-00-4	1 ml, green	1000
101-0000-05	1010-00-5	1 ml, peach	1000
101-0000-06	1010-00-6	1 ml, purple	1000
101-0000-09	1010-00-9	1 ml, mixed	6 x 150
101-1000-00	1011-00-0	Microcentrifuge tube caps, clear	1000
1009-00-00	1009-00-0	0,4 ml, clear, attached cap, PE, with collar (also available in a choice of other colours)	1000
1012-00-00	1012-00-0	1,5 ml, clear, attached cap, PE, with collar	1000

Racks for serum, microcentrifuge tubes and Terasaki plates

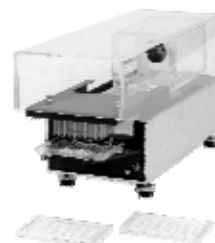
- Acrylic, for 48, 60, 72, or 96 tubes
- Racks for Terasaki plates, stainless steel



103-2000-00	1032-00-0	Serum tube rack, 60 holes	1
103-2010-00	1032-01-0	Serum tube rack, 72 holes	1
103-2010-02		Serum tube rack, 96 holes	1
103-3000-00	1033-00-0	Tray rack for upright freezer, ~ 23 cm high	1
103-4000-00	1034-00-0	Tray rack for upright freezer, ~ 46 cm high	1
105-6010-00	1056-01-0	Microcentrifuge tube rack, 1 ml, 48 holes	1

Automatic typing tray oiler

- Fills tissue typing trays with oil
- Volume of oil delivered is adjustable from 1 - 15 µl, selecting the depth that the pins penetrate the oil in the self-refilling reservoir
- With 60, 72 or 96-syringe head
- Dimensions: 13 x 15 x 33 cm (W x D x H); Weight: 4.1 kg
- Oil reservoir capacity: approx. 500 ml, for approx 1.500 plates



New Cat. No.	Old Cat. No.	Description
102-7010-00	1027-01-0	Automatic oiler for 60 wells
102-7020-00	1027-02-0	Automatic oiler for 72 wells
102-7030-00		Automatic oiler for 96 wells

Replacement head for automatic oiler

102-7011-00	1027-11-0	Replacement head for 60 well oiler
102-7012-00	1027-12-0	Replacement head for 72 well oiler
102-7013-00	-	Replacement head for 96 well oiler

Refurbished Automatic Serum Dispenser

- Automatic, to fill tissue typing trays
- With 60 or 72 syringe head
Glass syringes with stainless steel needles and replaceable PTFE tips on plungers
- Button or foot switch to lift the operating platform
- Full one-year warranty
- Selectable parameters:
 - Fill volume: 10 - 290 µl in increments of 10 µl
 - Dispense volume: 0,5 – 9,5 µl in increments of 0,5 µl
 - Wash cycles: continuous or 1 - 10 cycles
- Dimensions: 23 x 31 x 43 cm (W x D x H)
- Weight: 16,4 kg



All units are **refurbished, inspected, assembled and thoroughly tested** by the same technicians who originally built and serviced these Serum Dispensers for many years and who are the most qualified to ensure the instruments are performing to original specifications.

New Cat. No.	Old Cat. No.	Description
102-9010-00	1029-01-0	Refurbished Serum Dispenser with 60 syringe head
102-9020-00	1029-02-0	Refurbished Serum Dispenser with 72 syringe head

Replacement parts and accessories for automatic serum dispenser

102-9180-00	1029-18-0	Reservoir for Serum Dispenser, Polycarbonate, 50 ml
102-9310-00	1029-31-0	Holders for serum tubes, Aluminium, 60 wells
102-9320-00	1029-32-0	Holders for serum tubes, Aluminium, 72 wells
102-9160-00	1029-16-0	250 µl syringe (barrel, needle, plunger and PTFE tip)
102-9170-00	1029-17-0	250 µl syringe (barrel, needle, PTFE tip; no plunger)
105-9130-01	1059-13-1	Replacement PTFE tips, box/25
105-9230-01	1059-23-1	Replacement PTFE tips, box/100

COBRA 1-Channel Nano Dispenser

- Versatile 1-channel dispense head for small research labs (also available 4-channel dispenser for high throughput applications).
- Suitable for cell dispensing into **Terasaki plates** → ask for our video on this application.
- Ideal for PCR master mix set-ups, assay development and cell dispensing.
- Aspirate/Dispense mode allows minimal waste of valuable PCR reagents.
- Bulk dispense mode from reagent bottles to quickly fill many plates.
- Small space-saving footprint: (w x h x d) 35.5 x 40.6 x 50.8 cm; 21 kg



→ Ask for our separate flyer on the Cobra system and contact us for more information.

Cat. No.	Description
630-1000-10	Cobra-1 Channel Dispenser