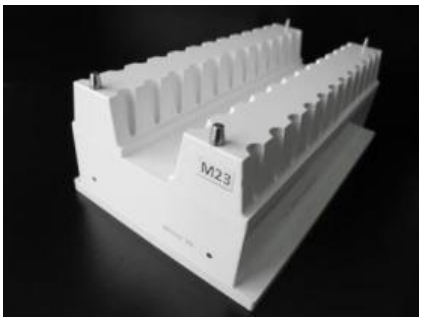
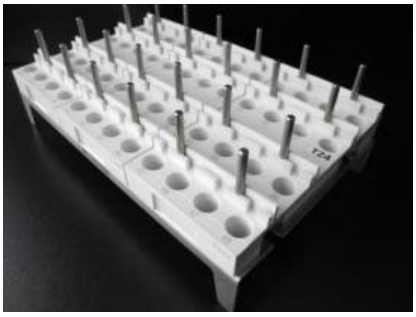
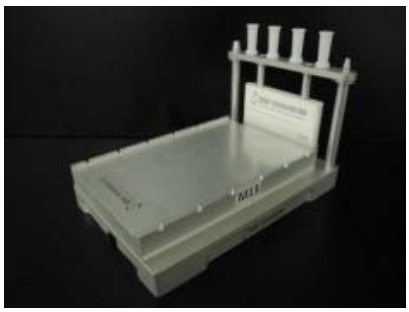
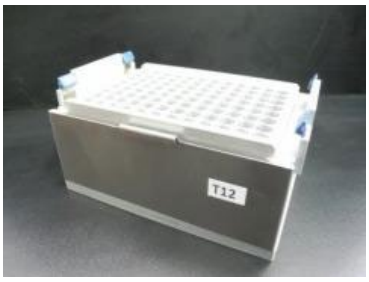
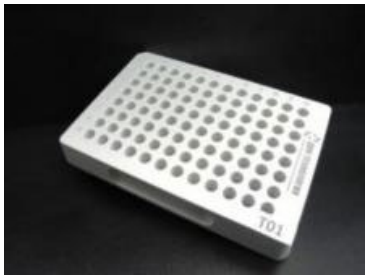
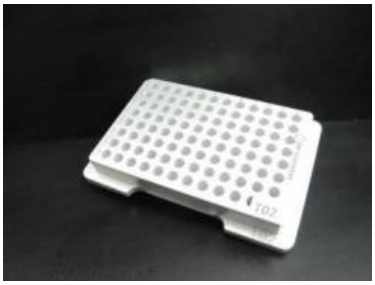
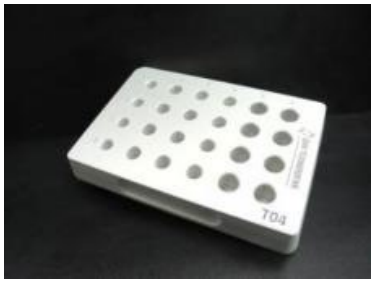
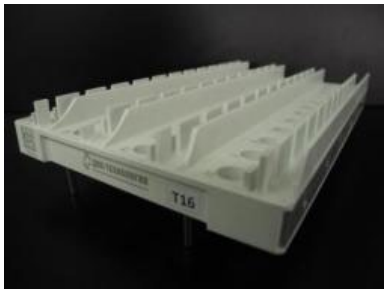
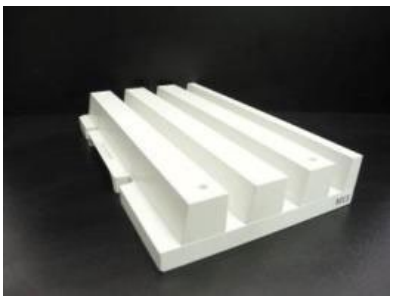
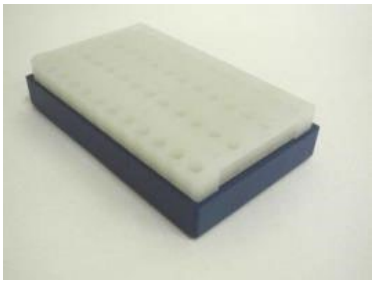
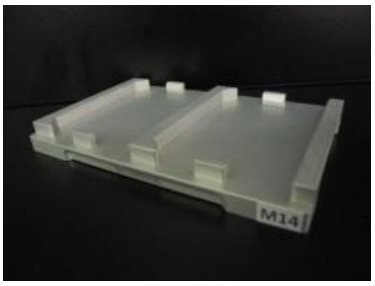
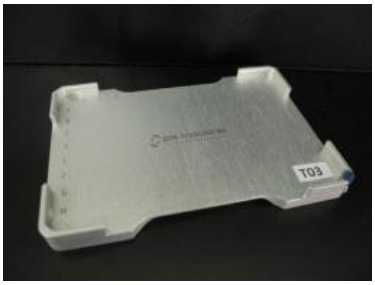
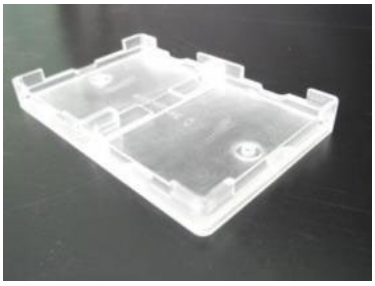
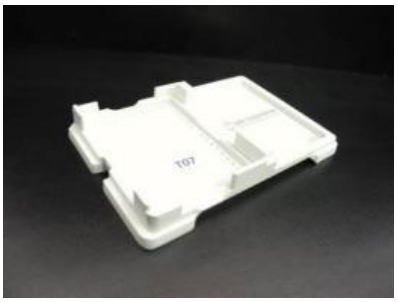
Components description:

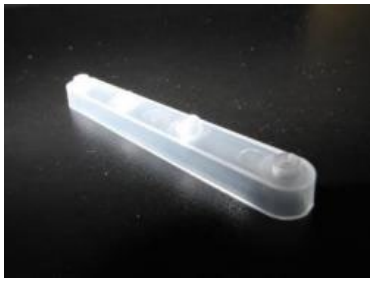
Name	Description
48-tube magnetic homogenizer 	**48-tube magnetic homogenizer** is installed on the worktable of the device in versions DTstream9 L1, DTstream9 L4, DTstream12 L1, DTstream12 L4, DTstream15 L1, DTstream15 L4 and is designed for the homogenization of the contents of test tubes by rotating a magnetic rod placed in the tube, under the influence of the magnetic field of the rotor located in the body of the homogenizer. The rotor is rotated by a micro electric motor mounted in the body frame. To power the drive micro-motor and control the operation, magnetic homogenizer is connected to the CON socket of the device. Dimensions of the 48-tube magnetic homogenizer: 133±0,2 x 220±0,2 x 78±0,2 mm. Weight of the 48-tube magnetic homogenizer: 1180±2 g. Structurally the magnetic homogenizer consists of a base (body), with a magnetic rotor with a drive inside of it. 48-tube magnetic homogenizer body and rack are made of Trovidur EN grade polyvinyl chloride. 48-tube magnetic homogenizer is installed on the worktable of the device and fixed on the worktable by aligning the pins located on the worktable of the device and holes in the base of a homogenizer. Magnetic homogenizer has a “M23” label engraved on the body frame.
48-tube magnetic homogenizer rack 	**48-tube magnetic homogenizer rack** is mounted on the “M23” 48-tube magnetic homogenizer and is designed for placing and fixing reagent tubes and/or DNA samples in the wells of the rack. The 48-tube magnetic homogenizer rack must be made of stainless steel and Trovidur EN polyvinyl chloride, in accordance with the design documentation P-240v2-01-00SB. The overall dimensions of the 48-tube magnetic homogenizer rack must be: 220±0,2 x 131±0,2 x 74,5±0,2 mm. Weight of the 48-tube magnetic homogenizer rack shall be: 900±2 g. Stands for a 48-tube magnetic homogenizer rack must be fixed on the “M23” homogenizer by aligning the pins on the top surface of a 48-tube magnetic homogenizer with holes in the base of a 48-tube magnetic homogenizer rack. The 48-tube magnetic homogenizer rack has a “T24” label engraved on its base.
Rods dispenser 	**Rods dispenser** is installed on the worktable of the devices in versions DTstream9 L1, DTstream9 L4, DTstream12 L1, DTstream12 L4, DTstream15 L1, DTstream15 L4 and is intended for placing cartridges with magnetic “rods” in it. The rods dispenser consists of a base for placing the magnetic rods cartridges and magnetic tweezers for placing the rods on the test tubes. The magnetic tweezers, gripped by the nozzles of the device, capture the magnetic “rods”, carry them and place them into the test tubes with biological samples. The rods dispenser is made of aluminum alloy D16T. Dimensions of the rods dispenser: 133±0,2 x 91±0,2 x 93±0,2 mm. The weight of the rods dispenser unit is 770±2 g. The rods dispenser is fixed on the worktable of the device by means of aligning of the pins, located on the worktable of the device, and holes in the base of the rods dispenser. The dispenser has a “M13” label engraved on the body frame.

Name	Description
1000 µl tips rack 	**1000 µl tips rack** is installed on the worktable of the devices in versions DTstream9 L1, DTstream9 L4, DTstream12 L1, DTstream12 L4, DTstream15 L1, DTstream15 L4 and is designed to hold platforms with 1000 µl tips when dispensing. 1000 µl tips rack is made of D16T aluminum alloy and steel. Dimensions of the 1000 µl tips rack: 133±0.2 x 91±0.2 x107±0.2 mm. Weight of 1000 µl tips rack is 715±2 g. 1000 µl tips rack is placed on the worktable of the device and fixed on the table by clutching of the spring grips located in the rack body, with pins, located on the surface of the worktable. A 1000 µl tips platform is placed in the stand and held during the dispensing process. The 1000 µl tips rack has a “T11” label engraved on the body frame.
200 µl tips rack 	**200 µl tips rack** is installed on the worktable of DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream12 M4, DTstream15 M1, DTstream15 M4 versions and is designed to hold platforms with 200 µl tips when dispensing. The 200 µl tips rack is made of D16T aluminum alloy and steel. Dimensions of the 200 µl tips rack: 133±0.2 x 91±0.2 x72±0.2 mm. The weight of 200 µl tips rack is 533±2 g. 200 µl tips rack is set on the worktable of the device and fixed on the table by clutching of the spring grips located in the rack body with pins located on the surface of the worktable. A 200 µl tips platform is placed in the stand and held during the dispensing process. 200 µl tips rack has a “T12” label engraved on the body frame.
96-well for strips, test tubes and microplates 	**96-well for strips, test tubes and microplates i**s installed on the worktable of device of all versions and is designed to be placed in the wells of the rack for strips, test tubes and microplates. 96-well for strips, test tubes and microplates is made of D16T aluminum alloy. Dimensions of the 96-well for strips, test tubes and microplates: 132,5±0,2 x 91±0,2 x 18±0,1 mm. The weight of the 96-well for strips, test tubes and microplates is 502±2 g. 96-well for strips, test tubes and microplates has a “T01” label engraved on the body frame.
96-well for low profile strips, test tubes and microplates 	**96-well for low profile strips, test tubes and microplates** is installed on the worktable of device of all versions and is designed to be placed in the wells of the rack for strips, test tubes and microplates. 96-well for low profile strips, test tubes and microplates is made of D16T aluminum alloy. Dimensions of the 96-well for low profile strips, test tubes and microplates: 132,5±0,2 x 91±0,2 x 18±0,2 mm. The weight of the 96-well for low profile strips, test tubes and microplates is 414±2 g. 96-well for low profile strips, test tubes and microplates has a “T02” label engraved on the body frame.

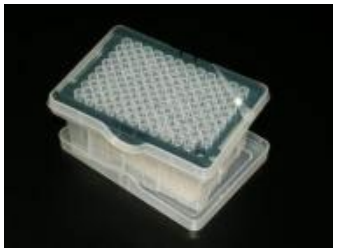
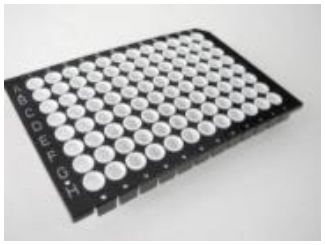
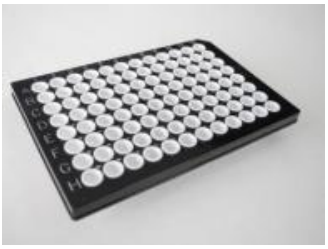
Name	Description
4x6 rack for buffer solutions 	**4x6 rack for buffer solutions** is installed on the worktable of DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream12 M4, DTstream15 M1, DTstream15 M4 versions and is designed for holding buffer solution containers of different volumes during the dosing process. 4x6 rack for buffer solutions is made of D16T aluminum alloy. Dimensions of the rack for buffer solutions: 132,5±0,2 x 91±0,2 x18±0,2 mm. The weight of the 4x6 rack for buffer solutions is 504±2 g. 4x6 rack for buffer solutions is installed on the worktable of the device by aligning the pins located on the worktable of the device and the holes in the base of the rack. 4x6 rack for buffer solutions has a “T04” label engraved on the body frame.
48-well 1.5 ml tube rack 	**48-well 1.5 ml tube rack** is located on the magnetic adapter M15, which is installed on the worktable of the DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream12 M4, DTstream15 M1, DTstream15 M4 versions, and is designed for placing and holding test tubes with reagents and/or DNA samples in the wells. Body frame of the 48-well 1.5 ml tube rack is made of polyvinyl chloride. Dimensions of the 48-well 1.5 ml tube rack: 220±0,2 x131±0,2 x47±0,2 mm. The weight of the 48-well 1.5 ml tube rack is 640±2 g. 48-well 1.5 ml tube rack is fixed on the magnetic adapter “M15” by aligning the pins, which are on the bottom surface of the rack, with the holes in the body of the magnetic adapter. 48-well 1.5 ml tube rack has a “T17” label engraved on the body frame.
Multifunctional 48 1.5 ml tube rack 	**Multifunctional 48 1.5 ml tube rack** is located on the magnetic adapter “B 067”, which is installed on the worktable of the DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream12 M4, DTstream15 M1, DTstream15 M4 versions, and is designed for placing and holding test tubes with reagents and/or DNA samples in the wells. Body frame of the multifunctional 48 1.5 ml tube rack is made of polyvinyl chloride. Dimensions of the multifunctional 48 1.5 ml tube rack: 220±0,2 x 138,5±0,2 x 50,3±0,2 mm. The weight of the multifunctional 48 1.5 ml tube rack is 710±2 g. Multifunctional 48 1.5 ml tube rack is fixed on the magnetic adapter “M15” by aligning the pins, which are on the bottom surface of the rack, with the holes in the body of the magnetic adapter. Multifunctional 48 1.5 ml tube rack has a “T16” label engraved on the body frame.
Magnetic adapter for 48 1.5 ml tube rack 	**Magnetic adapter for 48 1.5 ml tube rack** is installed on the worktable of the DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream12 M4, DTstream15 M1, DTstream15 M4 versions and is designed to hold a “T17” rack for 48 1.5 ml tubes. Body frame of the magnetic adapter for 48 1.5 ml tube rack is made of polyvinyl chloride. The magnetic adapter for 48 1.5 ml tube rack has 48 cylindrical permanent magnets. The magnetic field of the magnets interacts with magnetic particles and isolated DNA molecules in the tubes, depositing them on the walls of the tubes. Dimensions of the magnetic adapter for 48 1.5 ml tube rack: 220±0,2 x 131±0,2 x 34±0,2 mm. The weight of the magnetic adapter for 48 1.5 ml tube rack is 1046±2 g. Magnetic adapter for 48 1.5 ml tube rack is fixed on the worktable by aligning the pins, which are on the bottom surface of the rack, with the holes in the body of the magnetic adapter. Magnetic adapter for 48 1.5 ml tube rack has a “M15” label engraved on the body frame.

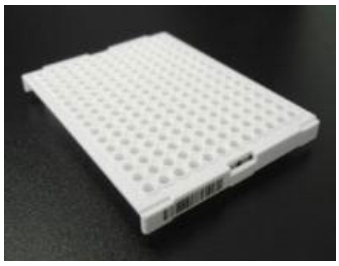
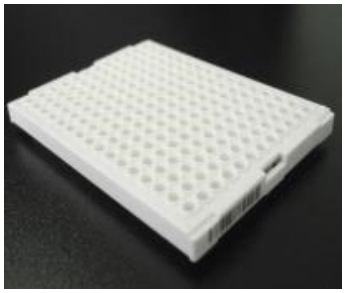
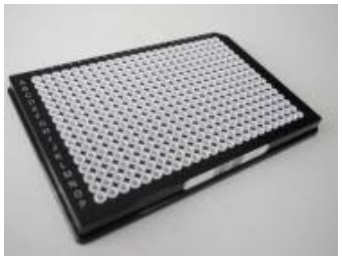
Name	Description
Adapter with light pointer for tube arrangement 	**Adapter with light pointer for tube arrangement** is installed on the worktable of the DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream12 M4, DTstream15 M1, DTstream15 M4 versions and is designed for placement and retention of 48 1.5 ml tubes. Body frame of the adapter with light pointer for tube arrangement is made of polyvinyl chloride. Dimensions of the adapter with light pointer for tube arrangement: 228±0,2 x 139±0,2 x 47±0,2 mm. The weight of the adapter with light pointer for tube arrangement is 930±2 g. Under each well of the adapter with light pointer for tube arrangement there is a light-emitting diode, which illumination should indicate to the operator the location of the tube. The LEDs are powered and the control signal from the device control software is supplied through a cable that connects the USB connector on the device panel to the micro-USB connector in the adapter body frame. Adapter with light pointer for tube arrangement is fixed on the worktable by aligning the pins located on the worktable of the device and the holes in the base of the device. Adapter with light pointer for tube arrangement has a “P-154” label engraved on the body frame.
Adapter for reagent cartridges 	**Adapter for reagent cartridges** is installed on the worktable of the devices in versions DTstream9 L1, DTstream9 L4, DTstream12 L1, DTstream12 L4, DTstream15 L1, DTstream15 L4 and is designed for placing two reagent cartridges in it. Adapter for reagent cartridges is made of D16T aluminum alloy. Dimensions of the adapter for reagent cartridges: 133±0,2 x 92±0,2 x 14±0,2 mm. The weight of the adapter for reagent cartridges is 274±2 g. Adapter for reagent cartridges is fixed on the worktable by aligning the pins located on the worktable of the device and the holes in the base of the device. Adapter for reagent cartridges has a “M14” label engraved on the body frame.
384-well microplate adapter 	**384-well microplate adapter** is installed on the worktable of the DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream12 M4, DTstream15 M1, DTstream15 M4 versions and is designed to fix 384-well microplate in it. 384-well microplate adapter is made of D16T aluminum alloy and 65G steel. Dimensions of the 384-well microplate adapter: 133,5±0,2 x 91,2±0,2 x 12,5±0,2 mm. The weight of the 384-well microplate adapter is 195±2 g. 384-well microplate adapter is fixed on the worktable by aligning the pins located on the worktable of the device and the holes in the base of the adapter. 384-well microplate adapter has a “T03” label engraved on the body frame.
192-well microplates adapter 	**192-well microplates adapter** is installed on the worktable of the DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream12 M4, DTstream15 M1, DTstream15 M4 versions and is designed to fix 192-well microplate in it. 192-well microplates adapter is made of organic sheet glass (Plexiglass). Dimensions of the 192-well microplates adapter: 133±0,2 x 86±0,2 x 15±0,2 mm. The weight of the 192-well microplates adapter is 63±2 g. 192-well microplates adapter is fixed on the worktable by aligning the pins located on the worktable of the device and the holes in the base of the adapter. 192-well microplates adapter has a “T08” label engraved on the body frame.

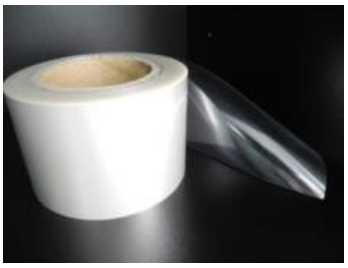
Name	Description
192-well microplate adapter 	**192-well microplate adapter** is installed on the worktable of the DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream12 M4, DTstream15 M1, DTstream15 M4 versions and is designed to fix 192-well microplate in it. 192-well microplate adapter is made of Trovidur ER polymer material. Dimensions of the 192-well microplate adapter: 132,5±0,2 x 91±0,2 x 18,1±0,2 mm. The weight of the 192-well microplate adapter is 107±2 g. 192-well microplate adapter s fixed on the worktable by aligning the pins located on the worktable of the device and the holes in the base of the adapter. 192-well microplate adapter has a “T07” label engraved on the body frame.
Adapter for used material collection container 	**Adapter for used material collection container** is installed on the worktable of all versions of the device and is designed to place and hold the MK-01 container for waste material collection. Adapter for used material collection container is made of D16T aluminum alloy. Dimensions of the adapter for used material collection container: 143,9±0,2 x 108,4±0,2 x 13±0,2 mm. The weight of the adapter for used material collection container is 184±2 g. Adapter for used material collection container s fixed on the worktable by aligning the pins located on the worktable of the device and the holes in the base of the device. Adapter for used material collection container has a “K05” label engraved on the body frame.
Stand for DTstream liquid handling station 	**Stand for DTstream liquid handling station** is designed for the installation of a station on its working surface. The countertops of both models are made of Trovidur EN polyvinyl chloride (plastic sheet) and have an opening on the surface to allow the discharge of waste materials (tips) from the device into the waste material container inside the stand. When mounting the device on a stand, the outlet for discharging the station waste materials (tips) must be aligned with the intake opening on the stand table top. If necessary Inside the stand under the intake for discharge of waste materials (tips), install the tips receptacle “K12-12-12-00-00”. Structurally the stand is made as an all-welded frame from a steel pipe of rectangular section, non-working surfaces are made of metal sheet, the swing doors are on hinges, the drawer in the stand “CtDy9v2-00-00-00-00” is moved along the rails. The feet of the stands provide height adjustment to ensure the horizontal position of the stand countertop during operation of the device. The dimensions of the stand: 1200±0,2 x 745±0,2 x 900±0,2 mm. The weight of the stand is 103±0,5 kg. The load capacity of the stand is at least 250 kg. On the body of the stand is a nameplate with the marking.

Name	Description
Waste tip receptacle 	**Waste tip receptacle** is installed inside the stand under the device "CtDy9v2-00-00-00-00" and is designed to place a container on it for receiving waste materials. Waste tip receptacle is made of D16T aluminum alloy, Trovidur EN polyvinyl chloride, caprolon. Dimensions of the waste tip receptacle: 441±0,2 x 220±0,2 x 327±0,2 mm. The weight of the waste tip receptacle: 475±0,5 g. The body frame of the device has a "K12-12-12-00-00" marking.
Protective cap for magnetic tweezers Cat. No. C-DTS-C002 	**Protective cap for magnetic tweezers** is installed on the rods dispenser "M13" and is intended for single use in order to protect the working surface of the magnetic tweezers before each dispensing. Protective cap for magnetic tweezers is made of transparent polypropylene. Dimensions of the protective cap: 61±0,2 x 7±0,2 x 6,5±0,2 mm. The weight of the protective cap is 1±0,2 g.
Replaceable funnel for waste materials Cat. No. C-DTS-C001 	**Replaceable funnel for waste materials** is installed on the devices of all versions and is designed for single use for the safe discharge of waste materials (tips). Replaceable funnel for waste materials is made of transparent plastic PET (polyethylene terephthalate) with a thickness of 0.5 mm. Dimensions of the funnel: 220±0,2 x Ø54,5±0,2 x Ø38,6±0,2 mm. The weight of the replaceable funnel for waste materials: 12±0,5 g. Replaceable funnel for waste materials is installed in the receiving socket of the liquid handling station stand "CtDy9v2-00-00-00-00" and sends the waste material to the waste materials reception container.
CAN interface cable 	**CAN interface cable** is designed for DTstream9 L1, DTstream9 L4, DTstream12 L1, DTstream12 L4, DTstream15 L1, DTstream15 L4 version with 48-tube magnetic homogenizer. The cable consists of connector type MINI DIN-8, straight; connector type "C091-U 250V/5A,8Pol Male T 3504 005 U"; connection cable in polyurethane isolation. Cable dimensions: 450±10 x d6 mm. The cable connects 48-tube magnetic homogenizer to the CON connector on the switching panel.

Name	Description
Power cable (three-prong) 	**Power cable (three-wire)** is designed to supply power from the mains to the product. Specifications: Socket: molded PVS 45P, black 16 A, 250 V Plug: Molded PVS 45P, black Terminal: 2x24 mm Wire: H05 W-F 3G 0.75 mm^2 GTSA-3, OD6.8 mm Length: 1800 mm.
Ethernet communication cable 	**Ethernet communication cable** is designed for communication with a personal computer Specifications: Patch Cord UTP 5e cat. “HK-SC5EUTP-RD-2.0” with RJ-45 connectors, 26AWG/0,4 mm Cable: cat5e UTP 26AWG. PVC jacket, cable diameter: 5.5 mm Cap: PVC RJ-45 plug: polycarbonate, cat5e, 8p8c Category: 5e Design: unshielded, UTP Connector format: RJ45/8p8c Cable diameter: 5.5 mm Length: 2.0 m.
Fuses (10A, 5x20mm, 250V) 	**Fuses (10A, 5x20mm, 250V)** are designed to protect the electronic unit against overloading. Specifications: Fuse type: cylindrical, ceramic Rated current: 10 A Rated voltage: AC 250V Dimensions: 5x20 mm Maximum breaking capacity: 1500 AC 250 V.
1000 µl filter tips Cat. No. C-DTS-T1000F 	**1000 µl filter tips** are designed to perform dosing of solutions and reagents for DTstream9 L1, DTstream9 L4, DTstream12 L1, DTstream12 L4, DTstream15 L1, DTstream15 L4. The tips are placed in the platform in the amount of 96 pieces. A filter is placed inside the tip. Dimensions of the platform for tips: 135±0,2 x 97±0,2 x 105±0,2 mm. The platform with tips is installed in the rack for tips 1000 µl “T11”, placed on the table of the liquid handling station.
1000 µl tips Cat. No. C-DTS-T1000 	**1000 µl tips** are designed for dosing solutions and reagents for devices in versions DTstream9 L1, DTstream9 L4, DTstream12 L1, DTstream12 L4, DTstream15 L1, DTstream15 L4. The tips are placed in the platform in the amount of 96 pieces. Dimensions of the platform for tips: 135±0,2 x 97±0,2 x 105±0,2 mm. The platform with the tips is installed in the rack for tips "T11", placed on the table of the liquid handling station.

Name	Description
200 µl filter tips Cat. No. C-DTS-T200F 	**200 µl filter tips** are designed for dosing of solutions and reagents for DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream12 M4, DTstream15 M1, DTstream15 M4. The tips are placed on the platform in the amount of 96 pieces. Inside the tip there is a filter. Dimensions of the platform for tips: 136±0,2 x 98±0,2 x 70±0,2 mm. The platform with tips is installed in the rack for tips “T12”, placed on the worktable of the device.
200 µl tips Cat. No. C-DTS-T200 	**200 µl tips** are designed for dosing solutions and reagents for DTstream9 M1, DTstream9 M4, DTstream12 M1, DTstream9 M4, DTstream15 M1, DTstream15 M4. The tips are placed in the platform in the amount of 96 pieces. Dimensions of the platform for tips: 136±0,2 x 98±0,2 x 70±0,2 mm. The platform with tips is installed in the rack for tips “T12”, placed on the worktable of the device.
96-well microplate Cat. No. C-DTS-P096/01 	**96-well microplate** is designed to be filled with liquid reagents and samples of biological material for further use in PCR amplification. Dimensions according to specification: Width: 125.11±0.25 mm Depth: 83.22±0.25 mm Height: 20.80±0.25 mm Well depth: 20.20±0.15 mm Diameter of the wells: 5.46±0.10 mm The microplate is placed on the worktable of the device in the “T01” rack.
96-well semi-skirted microplate Cat. No. C-DTS- P096/02 	**96-well semi-skirted microplate** is designed to be filled with liquid reagents and samples of biological material for further use in PCR amplification. Dimensions according to manufacturer's specifications: Width: 124.26±0.25 mm Depth: 83.97±0.25 mm Height: 20.70±0.25 mm Well depth: 20.20±0.10 mm Well diameter: 5.46±0.10 mm The microplate is placed on the worktable of the device in the “T01” rack.

Name	Description
192-well microplate Cat. No. C-DTS-P192/01 	**192-well microplate** is designed to be filled with liquid reagents and samples of biological material for further use in PCR amplification. Dimensions according to specification: Width: 80.0(-0.25)mm Depth: 60.0(-0.25)mm Height: 10.10±0.25 mm Well depth: 9.60±0.10 mm Well diameter: 3.10±0.10 mm The microplate is placed on the worktable of the device in the “T08” adapter.
192-well semi-skirted microplate Cat. No. C-DTS-P192/02 	**192-well semi-skirted microplate** is designed to be filled with liquid reagents and samples of biological material for further use in PCR amplification. Dimensions according to specifications: Width: 80.0(-0.25)mm Depth: 60.0(-0.25)mm Height: 10.10±0.25 mm Well depth: 9.60±0.10 mm Well diameter: 3.10±0.10 mm The microplate is placed on the worktable of the device in “T07”, “T08” adapters.
384-well microplate Cat. No. C-DTS-P384 	**384-well microplate** is designed to be filled with liquid reagents and samples of biological material for further use in PCR amplification. Dimensions according to specification: Width: 127.76±0.25mm. Depth: 85.48±0.25 mm Height: 10,60±0,25 mm Well depth: 9.60±0.10 mm Well diameter: 3.10±0.10 mm The microplate is placed on the worktable of the device in the “T03” adapter.
Container for waste material collection on the device worktable 	As a **container for waste material collection** it is recommended to use a medical product – “Containers for medical waste and consumables (container for collection, storage, transportation and disposal of sharps waste (yellow) with a volume of 1.3 l)”. The container for waste material collection is installed on the “K05” adapter, placed on the worktable of the device.

Name	Description
Microplate seal (package) Cat. No. C-DTS-F001  or Microplate seal (roll) 	**Microplate seal** is designed to thermally seal microplate wells after filling them with reagent solutions and/or DNA samples. The microplate seal can be supplied in cut sheets or on a roll. A package of 100 sheets of seal is packed in a polyethylene zip bag. Dimensions of seal sheets: 125x78 mm. Dimensions of the seal roll: 610 m x 78 mm.

Attention! Components from other manufacturers must not be used.
The manufacturer is not responsible for the performance of the DTstream liquid handling station if the customer uses third-party components.