

ПРИБОРЫ-РАЗБАВИТЕЛИ DILICULT



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
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97

Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
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 +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://millipore.nt-rt.ru> || <mailto:mer@nt-rt.ru>

DiluCult™ and DiluCult™ 2 dilutor instruments

Introduction

System Overview

DiluCult™ and DiluCult™ 2 dilutor instruments are designed to facilitate work in a microbiological safety cabinet. They are low in height and have a removable drip tray.

Part Numbers

Model	Cat. No.
DiluCult™ Instrument	5427530001
DiluCult™ 2 Instrument	5427600001

Operator and Equipment Safety

All employees who will operate and/or be near the DiluCult™ and DiluCult™ 2 instruments must comply with the following:

- Read and understand this user guide before using the DiluCult™ and DiluCult™ 2 instruments. Failure to follow operating instructions could result in user injury or damage to the instrument.
- Read and understand all maintenance instructions in this user guide before performing maintenance on the instruments. Failure to follow instructions could result in user injury or damage to the instrument.
- Any alteration of the DiluCult™ and DiluCult™ 2 instruments from factory specification may cause unsafe conditions, and will void the product warranty.
- Service should be performed by trained and authorized personnel only. Do not attempt to open the DiluCult™ and DiluCult™ 2 instrument housing.
- Place the DiluCult™ and DiluCult™ 2 instruments upright on a clean, flat, stable, horizontal surface, away from any source of excessive heat and close to an easily accessible, properly grounded power supply outlet. Do not run the instrument in any other position.
- Ensure there is at least 5 cm of open space behind the instruments. Do not obstruct the ventilation.
- Do not expose the DiluCult™ and DiluCult™ 2 instruments to liquid. If liquid gets inside the instrument through the ventilation cut-outs at the back of the instrument, avoid any contact with the instrument, turn the power off, and contact your local representative.
- Do not install the DiluCult™ and DiluCult™ 2 instruments in a humid area. Humidity can cause electrical shock and short circuit.
- Before cleaning, shut down the DiluCult™ and DiluCult™ 2 instruments and disconnect them from the power source.
- The power supply must be protected by a fuse below the main connection.
- The electrical installation must comply with local standards.
- Do not use or store flammable liquids (kerosene, gasoline, etc.) in or near the DiluCult™ and DiluCult™ 2 instruments. These substances may evaporate and present a risk of fire or explosion.
- The bag + sample + diluent must not exceed the authorized weight on the weighing platform:
DiluCult™: 3,000 g
DiluCult™ 2: 5,000 g
- Do not apply shock or excessive pressure to the weighing cell.
- Ensure that there is no obstacle that might interfere with the weighing cell.
- Ensure that the drip tray is correctly positioned. An improperly positioned tray can cause malfunction of the weighing platform.
- Do not use sharp objects (pens or sharp fingernails) to press the buttons on the digital display/control panel.
- Be sure that there are no visible defaults such as unstable zero or zero drift.
- For the DiluCult™ 2 instrument, do not activate the robotic arm manually. The arm must not undergo any kind of shock or pressure.
- For the DiluCult™ 2 instrument, check that there are no obstacles that could interfere with the robotic arm.
- Do not put fingers in the pump. Fingers could be pinched.

Specifications

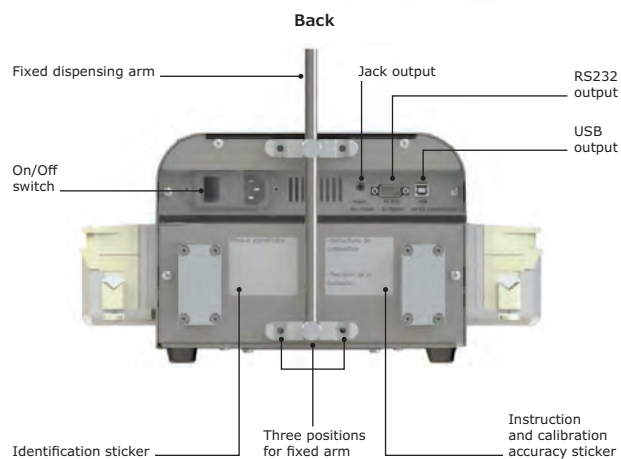
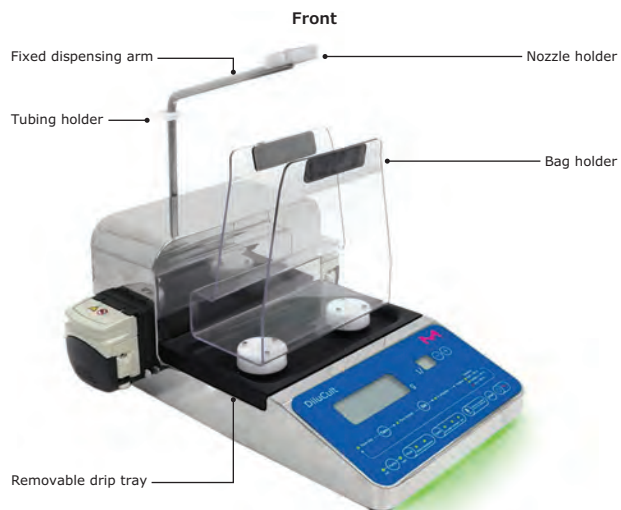
Category	DiluCult™ Instrument	DiluCult™ 2 Instrument
Cat. No.	5427530001	5427600001
Weighing range	0.1 g to 3,000 g	0.1 g to 5,000 g
Weighing accuracy	0 to 100 g: ±0.05 g 100 g to 3,000 g: ±0.1%	0 to 100 g: ±0.05 g 100 g to 5,000 g: ±0.1%
Minimum weight for dilution	5 g	5 g
Minimum weight for distribution	5 g	5 g
Minimal weight of the sample	1 g	1 g
Maximum authorized weight	3,000 g	5,000 g
Ideal functioning temperature for optimal accuracy of the weighing platform	-10 °C/+ 40 °C	-10 °C/+ 40 °C
Accuracy of the instrument from 1 to 100 g	±0.05 g	±0.05 g
Accuracy of the instrument from 100 to 5,000 g	±0.1%	±0.1%
Maximum weight without support	4,500 g	7,000 g
Dilution factor	1/2 to 1/99	1/2 to 1/99
Dilution accuracy	> 98%	> 99%*
Dilution time for a 25 g sample diluted at 1/10	< 9 s**	< 9 s**
Dilution time for a 375 g sample diluted at 1/10	–	< 80 s**
Dispensing time for 90 mL	< 7 s**	< 7 s**
Dispensing time for 225 mL	< 10 s**	< 10 s**
Maximum number of pumps	2 integrated	2 integrated
Dispensing/distribution mode	Fast/Standard/Accurate	Fast/Standard/Accurate
Traceability	Printer/Monitoring software (data export to Microsoft® Excel®, OpenOffice® Calc, LibreOffice® Calc, printer)	
Exported data	Sample weight/Total weight/Dilution factor/Dilution accuracy/Right or left pump + with monitoring software: Sample number/Name of operator/Date/Time	
Connection	RS232 output: To connect a printer; USB output: To connect a computer; Jack output: To connect a foot pedal	
Weight	12 kg	14.2 kg
Dimensions (width x depth x height)	37 x 44 x 38 cm 14.6 x 17.3 x 14.9 in.	37 x 48 x 38 cm 14.6 x 18.9 x 14.9 in.
Power source	100–240 V ~± 10%	50/60 Hz ± 2 Hz 60 w
Fuse	T3.15A L 250V 5 x 20 mm	
Installation category	II	
IP	2	
In compliance with	ISO 7218/ISO 6887-1/FDA-BAM EI 61010-1: 2010	

*In standard or accurate mode

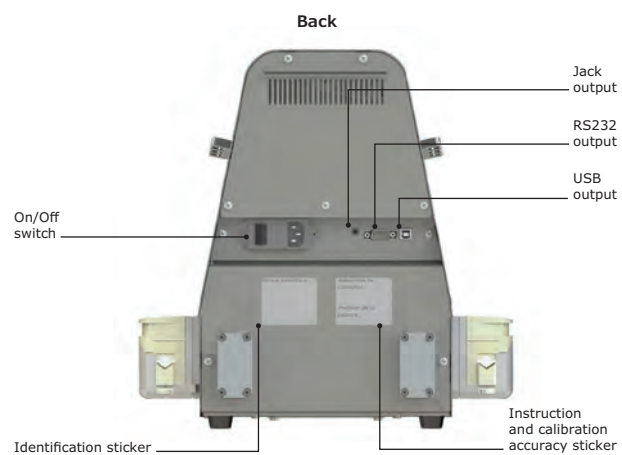
**With booster kit in fast mode

System Components

DiluCult™ Instrument



DiluCult™ 2 Instrument



Note: Use the RS232 output to connect to a printer. Use the USB output to connect to a computer.



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
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97

Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
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 +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://millipore.nt-rt.ru> || <mailto:mer@nt-rt.ru>