

Microbiology line Authorized Distributor www.clarksonlab.com

Innovative
Laboratory
Equipment
Solutions



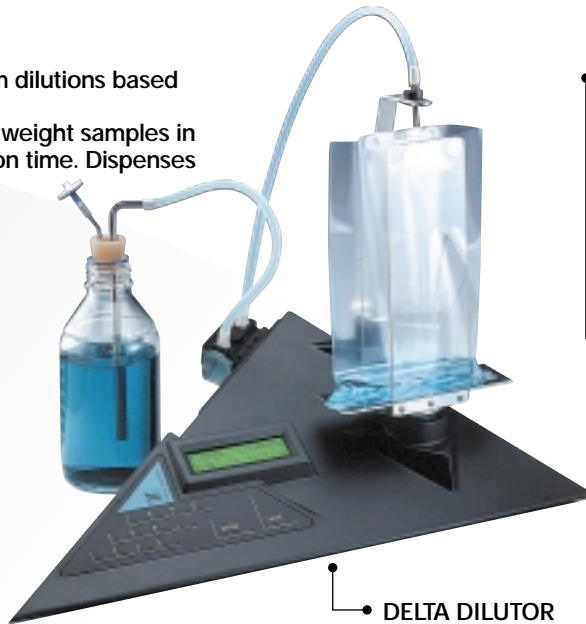
NEUTECH
GROUP INC

Delta Dilutors

Gravimetric dilution device used to perform dilutions based on the control of weight. Rapidly makes precise dilutions of random weight samples in sterile polyethylene bags, reducing hands on time. Dispenses a fixed weight of liquid.

Features and Benefits:

- Quick disassembling and quick assembling components that come in contact with the diluent for sterilization requires a minimum amount of time
- Routine work is user friendly and easy to calibrate
- In its Standard version, it can perform fractional dilution factors (e.g., 3:8)



PORTABAG

Holder for six bags. Two versions: for small volumes up to 80 ml and for standard bags up to 400 ml.



Features and Benefits:

- Clamping design to eliminate additional closure
- Easy to maintain and clean, all parts made of stainless steel
- Stackable

BAR CODE READER

Accessory attachable to the Delta Dilutor to read bar code labels affixed to the homogenization bags. Safe - no laser beam used.

DELTA DILUTOR

Eddy Jet Spiral Plating

Definitive plating instrument that uses disposable microsyringes for the spiral inoculation technique. Distributes the liquid sample on the agar in an exponential or logarithmic decreasing manner from the center to the periphery.

Once incubated, the Petri plate shows a distribution of colonies smaller and more crowded in the center, and larger and more separated toward the periphery.

Counting colonies can be done automatically (see Counter mat Flash) or manually, using the appropriate grid.

By using disposable sample delivery syringes, the Eddy Jet has revolutionized the spiral plating technique. It has eliminated both the possible sample cross contamination that can occur in other devices and the need to rinse the system between samples. The microsyringes and beakers are irradiated with gamma rays and remain closed until use.

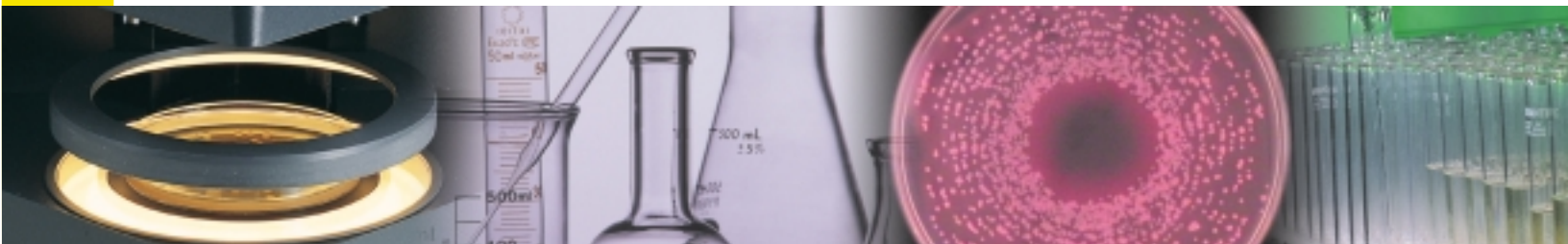


EDDY JET

Features and Benefits:

- No risk of cross contamination with world wide patented microsyringes
- No downtime required for disinfection
- Direct and quick transition from validated existing outdated equipment, with pre-programmed spreading patterns
- Assuring high precision by monitoring all 6 zones of spreading on the plate

Consumables



Masticators Mixers

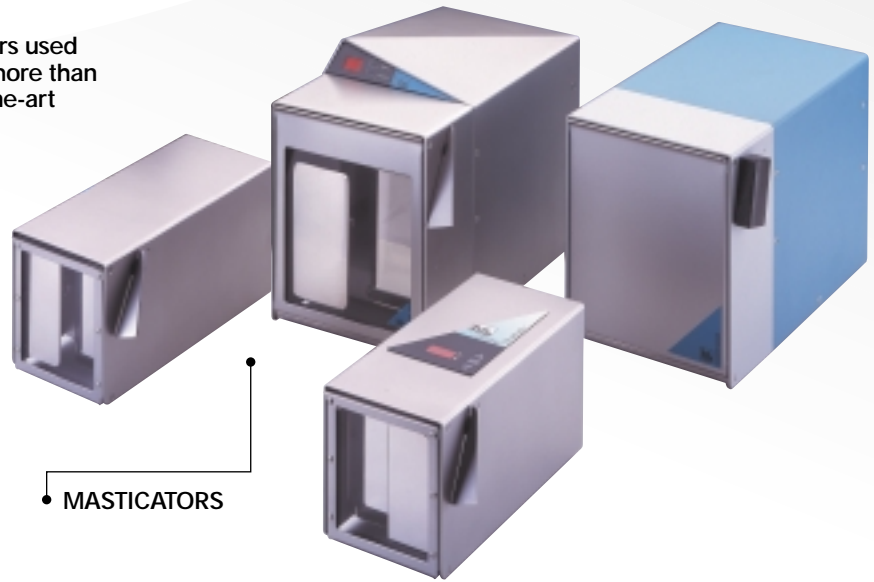
Family of reciprocating paddle homogenizers mixers used for solid and semisolid samples. With a tradition of more than 18 years, the present models incorporate state-of-the-art mechanics and microprocessor technology.

Features and Benefits:

- Long tradition of reliability and robustness
- Uses springs to move the paddles
- Limitless duration assured
- Compact size, economical cost
- Small bench space

Optional - Bar code reader

Accessory attachable to the SILVER and MICROSILVER models to read bar code labels affixed to the homogenization bags.



● MASTICATORS

Cooled Incubators

Velp Scientifica introduces 2 size incubators: 90 Liter and 220 Liter with adjustable temperatures from 3°C to 50°C and +/- 0.5°C accuracy.

Auto Tuning allows a very stable, homogeneous internal temperature even when the room temperature varies. Software is available upon request, allowing to connect the incubator to a computer for data logging.



● FOC 225I



● FTC 90I

Manual Colony Counter

User-friendly manual counter. The pen is pressed to the plate, marking the plate and producing an audible "beep" that confirms the count has been registered in the digital readout.

Features and Benefits:

- High quality magnifier that allows using the unit for hours without fatigue
- Easy-to-change grids for reading transparent or opaque media for pour or spiral plates



CounterMat Flash- Automatic Colony Counter

Automatically counts 90 mm diameter Petri plates for both pour plates or spiral distribution.

Also expandable to measure haloes of antibiotic inhibition zones. Consists of an exclusive reflection optical unit and dedicated software installed on external PC running Windows® 98/NT/2000/XP.

Features and Benefits:

- High reproducibility and accuracy on every count
- Interactive software easy to program
- Complete automation capability using the Plate Handler (see below)
- Preset programs for various agar plates mediums and spreadings

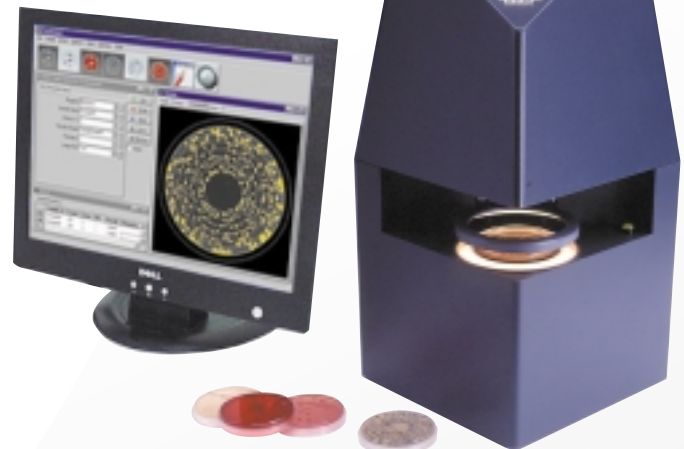


Plate Handler- Petri Dish Auto Sampler

The new generation in plate counting 80. plates can be counted in about 20 min. Automation to process Petri dishes (90 mm) in an 80 plate capacity carousel (4 columns on 20 plates each). Removes one tower of the carousel and moves it to the lifting unit. The lifting unit then opens the plate. While retaining the lid, it turns the tower to read the bar code label attached to the wall of the plate. It then places the plate in the CounterMat Flash for counting.

Features and Benefits:

- Compact unit with a small footprint
- Powerful software guides smooth transition and works with external databases
- Precision motion controls results in quiet operation



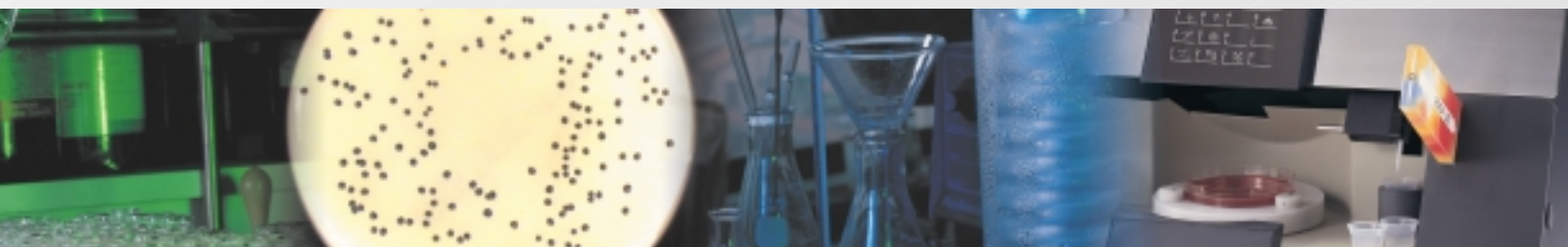
Haloes Caliper Zone - inhibition

Allows manual measurement of the diameter for zones of inhibition through an enlarged image.

The procedure consists of pressing the setting to zero at the starting point, and by means of a precision dial, the Petri dish is moved to the opposite side of the zone.

Features and Benefits:

- Enlarged image, approximately double size
- Without parallax error, the screen prevents reading at the wrong angle
- Stable light source between the sample and standard

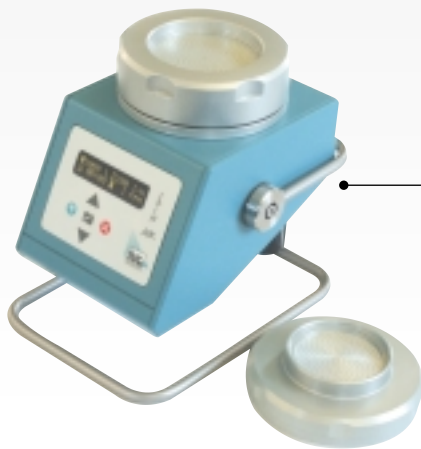


Bio Dilutor

As a microbiological volumetric dilutor, the Bio-Dilutor is preset to 1:10 serial dilutions, but can be reprogrammed to any dilution factor between 1:1 to 1:1000. Connected to an external balance, it can also be used as a gravimetric dilutor.

Features and Benefits:

- Entire liquid system is autoclavable thus reducing risk of contamination
- Quick and quiet operation
- The sample is kept contained in the disposable tip and is kept separated from the diluent by an air bubble



Spin Air Sampler

Innovative air sampler for microbiological use. The air is boosted at a fixed flow rate against the agar surface of the 90 mm Petri dish or the 60 mm Rodac plate.

The patent pending, new development lies in the slow turning movement of the receiving Petri dish in conjunction with the design of the air channels. This combination assures that the entire plate surface receives the same amount of air. Potential overlap of microorganisms falling to the same position on the petri-dish is significantly reduced.

Features and Benefits:

- Steady airflow is continuously controlled by microprocessor assuring volume intake precision
- Complete surface of the plate receives microorganisms
- Optional slave unit for fast duplicate operation

Poly Stainer Gram Staining

Programmable device for Cytological and Microbiological Staining procedures. Contains four washing compartments including a water wash and rinse followed by a forced air drying position. Symbolic characters make the program process easy. Memory capacity of 10 programs with 10 different position in each.

Features and Benefits:

- Optimal performance at an economic price
- Stainless steel container holder can be easily removed
- No risk to electronic component due to their high position
- Optional quick pump to empty the rinse water bath



IUL INSTRUMENTS

Driven by imagination, flexibility, creativity and innovation, IUL has created a family of instruments that the professionals in microbiological laboratories use and appreciate. All IUL instruments have at least one essential and special feature that distinguishes them from others of their type. At IUL Instruments and Neutec Group, we are always seeking new ideas that make microbiological analysis safer, more comfortable, and more accurate.



Equipment

Model	Cat. No. 115V/60Hz	Cat. No. 220V/50Hz	Weight res. (gr)	Power (W)	Delivery speed (ml/min)	Weight lbs (kg)	Dimensions (W x H x D) Inch (mm)	Accessories
Standard Delta Dilutor single pump	2580	2510	0.1	20	950	14.3 (6.5)	23x7x12.6 (590x180x320)	12,3,4,5,6,7,8,9
Delta Dilutor two pump	2504	2502	0.01	20	950	14.3 (6.5)	23x7x12.6 (590x180x320)	12,3,4,5,6,7,8,9
Model	Cat. No. 115V/60Hz	Cat. No. 220V/50Hz	Timer (sec)	Power (W)	Motor speed (rpm)	Weight lbs (kg)	Dimensions (W x H x D) Inch (mm)	Complementary parts
Masticator Basic	471	470	analog 15-90	270	1500	37.5 (17)	9.4x10.2x15.7 (240x260x400)	1,10,11
Masticator Basic Panoramic	477	475	analog 15-90	270	1500	37.5 (17)	9.4x10.2x15.7 (240x260x400)	1,10,11
Masticator Silver	461	420	digital	270	500-1500	44 (20)	9.4x10.2x15.7 (240x260x400)	1,10,11
Masticator Silver Panoramic	522	520	digital	270	500-1500	44 (20)	9.4x10.2x15.7 (240x260x400)	1,10,11
Masticator Compact	87	85	analog 15-90	50	1600-3100	15.4 (7)	5.9x5.9x11.8 (150x150x300)	2
Masticator Silver Compact Panoramic	82	80	digital	50	1600-3100	15.4 (7)	5.9x5.9x11.8 (150x150x300)	2
Model	Cat. No. 115V/60Hz	Cat. No. 220V/50Hz	Weight res. (gr)	Power (W)	Delivery speed (ml/min)	Weight lbs (kg)	Dimensions (W x H x D) Inch (mm)	Accessories
Eddy Jet Spiral plater	1701	1700	disposable syringes	440	All units available un the market	44 (20)	19.7x12.6x16.1 (500x320x400)	6,7,12,13,14,15,16
Model	Cat. No. 115V/60Hz	Cat. No. 220V/50Hz	Capacity	Power (W)	Time	Weight lbs (kg)	Dimensions (W x H x D) Inch (mm)	Accessories
Counterterm Flash	4001	4000	1 at the time	up to 70	N/A	28.6 (13)	15.7x23.2x11 (400x590x280)	20,21,22
Counterterm Flash plus zone inhibition sfof.	4007	4006	1 at the time	up to 70	N/A	28.6 (13)	15.7x23.2x11 (400x590x280)	20,21,22
Plate Handler- for counterterm Flash	4301	4301	80 to 96 plates	500	complet carousel 20 min	108 (49)	33x13.8x33.5 (840x350x850)	23
Model	Cat. No. 115V/60Hz	Cat. No. 220V/50Hz	Internal Volume (liter)	Power (W)	Temp. Range (C) Accuracy (C)	Weight lbs (kg)	Dimensions (W x H x D) Inch (mm)	Accessories
Incubator FTC 90I	10.1143/I	10.1143/I	90	150	3-50 +/- 0.5	66 (30)	21.75x23.25x23.5 (550x590x600)	25,26
Incubator FOC 225I	10.1141/I	10.1141/I	225	300	3-50 +/- 0.5	89.1 (40.5)	21.25x51.25x22 (540x1300x560)	25,26
Model	Cat. No. 115V/60Hz	Cat. No. 220V/50Hz	Programmable dilution factor	Power (W)	Delivery speed max (ml/min)	Weight lbs (kg)	Dimensions (W x H x D) Inch (mm)	Accessories
Biodilutor basic	1301	1300	1:1 to 1:1000	40	4 with 10ml syringe	13.2 (6)	11.8x11.8x7.8 (300x300x200)	27,28
Biodilutor Advanced	1311	1310	1:1 to 1:1000	40	4 with 10ml syringe	13.2 (6)	11.8x11.8x7.8 (300x300x200)	27,28
Model	Cat. No. 115V/60Hz	Cat. No. 220V/50Hz	Magnification	Power (W)	Measuring range and accuracy	Weight lbs (kg)	Dimensions (W x H x D) Inch (mm)	Accessories
Halos Cliper-Zone inihition	901	900	x 2.25	50	0-35mm, 0.1mm	6.6 (3)	10.6x9.0x10.6 (270x230x270)	
Model	Cat. No. 115V/60Hz	Cat. No. 220V/50Hz	Counter	Power (W)	Equipt with	Weight lbs (kg)	Dimensions (W x H x D) Inch (mm)	Accessories
Manual colony counter w. two inputs	1601	601	4 duguts, 9mm LED display	50	Magnifying glass 0672 Marker and metal pointer	6.6 (3)	7.9x11.8x15.7 (200x300x400)	24
Manual colony counter w. one inputs	1602	602	4 duguts, 9mm LED display	50	Magnifying glass 0672 and Marker	6.6 (3)	7.9x11.8x15.7 (200x300x400)	24
Manual colony counter w. one inputs	1604	604	4 duguts, 9mm LED display	50	Magnifying glass 0671 and Marker	6.6 (3)	7.9x11.8x15.7 (200x300x400)	24
Manual colony counter w. two inputs	1605	605	4 duguts, 9mm LED display	50	Magnifying glass 0670 Marker and metal pointer	6.6 (3)	7.9x11.8x15.7 (200x300x400)	24
Model	Cat. No. 115V/60Hz	Cat. No. 220V/50Hz	Air Flow (liter/min)	Power (W)	Control	Weight lbs (kg)	Battery	Accessories
Spin Air 90mm Petri Dish	5500	5500	100	15	Microprocessor of time and air	3.6 (1.7)	8 hours capacity 7.2V Bimetal Hybride	18, 19
Spin Air 60mm Petri Dish	5501	5501	60	15	Microprocessor of time and air	3.6 (1.7)	8 hours capacity 7.2V Bimetal Hybride	17, 19
Spin Air Slave, 90mm Petri Dish	5503	5503	100	15	Requires Master unit	3.6 (1.7)	8 hours capacity 7.2V Bimetal Hybride	18, 19
Spin Air Slave, 60mm Petri Dish	5504	5504	60	15	Requires Master unit	3.6 (1.7)	8 hours capacity 7.2V Bimetal Hybride	17, 19
Model	Cat. No. 115V/60Hz	Cat. No. 220V/50Hz	Slide per Basket	Power (W)	Reagent containers	Weight lbs (kg)	Dimensions (W x H x D) Inch (mm)	Accessories
Poly Stainer	5301	5300	Up to 20	250	4	50.6 (23)	27.5x17.3x15.7 (700x440x400)	29

Accessories

N.	Description	Cat. No.	N.	Description	Cat. No.
1	Portabag stainless steel 6x400 ml bags holder	2300	15	Laminated table of volumes	1724
2	Portabag stainless steel 6x80 ml bags holder	2380	16	Holder for old beaker sampling	1829
3	Polyethylene 80 ml bage holder	2678	17	Set for 90mm Perti Dish (holder and cover)	5504
4	Weighting platform for beaker flasks	2511	18	Set for 60mm Perti Dish (holder and cover)	5505
5	Multilevel dilution arm	2512	19	Cable for PC/Pronter communication	5510
6	Communication cable for printer	2514	20	Dell PC with flat monitor for Flash (software loaded)	4100
7	Communication cabel for balance	2515	21	Cover for Counterterm Flash	4169
8	Calibration wieht 2000 gram	2519	22	Centering device for 50 mm Petri Dish	4143
9	Official certificate for Calibration wieht 2000g	2522	23	Additional 80 petri dishes carousel for Plate handler	4340
10	Stand and tray for Masticator all models	742	24	Fiber Market "F" normal pount "S" fine p.	646
11	Tray only for Masticator	743	25	Connecting cable for RS232 interface	12.0010
12	Disposable irradiated Syringes (1000)	1780	26	Incubator software	12.0020
13	Disposable irradiated Beakers (1000)	1790	27	Foot switch	1348
14	Plate for 9 cm petri dishes	1715	28	Hand held Staw system and delivery tube	1455
			29	Quick Drain system for Poly Stainer	5310



A Joint Venture with Velp Scientifica and IUL Instruments



20 Phipps Lane, Plainville NY 11803 USA

Tel: +1-(516)-870-0877, Toll Free (800)-280-0726, Fax: +1-(516)-870-0422, info@neutecgroup.com

www.neutecgroup.com