



BIO-DL UNIVERSAL LABORATORY PRODUCTS

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PIPETTE

Genex Series

- Ergonomic design, comfortable pipetting
- Wide volume range (0.1-10000µl)
- Single pipettes above 10µl are equipped with replaceable hydrophobic filters
- The nozzle part is easy to be disassembled and autoclavable
- Lightweight, durable and precise



Item No.	Channels	Range	Compatible Tip
72441011	1	0.1-2.5 µL	10µL
72441031	1	0.5 - 10 µL	10µL
72441041	1	2 - 20 µL	200&300µL
72441051	1	5 - 50 µL	200&300µL
72441061	1	10 - 100 µL	200&300µL
72441071	1	20 - 200 µL	200&300µL
72441081	1	100 - 1000 µL	1000µL
72441101	1	1000 - 5000 µL	5mL
72441111	1	1-10mL	10mL
72411031	8	0.5 - 10 µL	10µL
72411051	8	5 - 50 µL	200&300µL
72411061	8	10 - 100 µL	200&300µL
72411141	8	50 - 300 µL	300µL
72411081	8	100 - 1000 µL	1000µL
72421031	12	0.5 - 10 µL	10µL
72421051	12	5 - 50 µL	200&300µL
72421061	12	10 - 100 µL	200&300µL
72421141	12	50 - 300 µL	300µL

Item No.	Channels	Range	Compatible Tip
72431211	1	5 µL	10µL
72431221	1	10 µL	10µL
72431231	1	20 µL	200µL
72431241	1	25 µL	200µL
72431251	1	50 µL	200µL
72431261	1	100 µL	200µL
72431271	1	200 µL	200µL
72431281	1	250 µL	1000µL
72431291	1	500µL	1000µL
72431311	1	1000 µL	1000µL
72431321	1	2000 µL	5000µL
72431331	1	5000 µL	5000µL

Colour Series

- Different colors mark different ranges
- Easy to use, easy self-calibration
- Simple and bright , in line with the color aesthetic design
- Strong corrosion resistance and aging resistance material
- Autoclavable tip cones



Item No.	Channels	Range	Compatible Tip
72143031	1	0.5-10 μ L	10 μ L
72141041	1	2-20 μ L	200&300 μ L
72141051	1	5-50 μ L	200&300 μ L
72141061	1	10-100 μ L	200&300 μ L
72141071	1	20-200 μ L	200&300 μ L
72141081	1	100-1000 μ L	1000 μ L
72141101	1	1-5mL	5mL
72111051	8	5-50 μ L	200&300 μ L
72111141	8	50-300 μ L	300 μ L
72121051	12	5-50 μ L	200&300 μ L
72121141	12	50-300 μ L	300 μ L

Micropipette Series

- Micropipette is made of high-quality lightweight material, ergonomically designed.
- Lightweight and well-balanced design.
- Following the classic design of BIO-DL, the entire pipette body is gray and white, simple and beautiful.
- Single-channel models ranges from 0.1 μ L to 10 mL.



Item No.	Channels	Range	Compatible Tip
724419011	1	0.1-2.5 μ L	10 μ L
724419031	1	0.5 - 10 μ L	10 μ L
724419041	1	2 - 20 μ L	200&300 μ L
724419051	1	5 - 50 μ L	200&300 μ L
724419061	1	10 - 100 μ L	200&300 μ L
724419071	1	20 - 200 μ L	200&300 μ L
724419081	1	100 - 1000 μ L	1000 μ L
724419101	1	1000 - 5000 μ L	5mL
724419111	1	1-10mL	10mL

e-HC Electronic Pipette Filler

- Large LCD touch screen: user can adjust the motor speed or observe the battery status easily
- Light weight and ergonomic design
- Easy to control, stepless adjustment of aspirate/dispense speed.
- Motor speed can be adjusted easily by the touch screen
- Wild volume range of 0.1-100ml
- Available for about 2000 times of pipetting with one fully charged battery



Product:	e-HC Electronic Pipette Filler
Volume range:	0.1-100ml
Weight:	160 g
Speed control :	stepless adjustment by the buttons or shift the gear (low/medium/high) by the touch screen
Aspirate Speed:	filling a 50ml pipette in<10 seconds
Dispensing model:	Gravity dispense/pump
Filter:	0.45μm

Cat. No.	Product Name	Note
73631451	e-HC Electronic Pipette Filler	Electronic Pipette Filler
Accessories		
130044	power adapter	1个
130045	Filter	1个
130051	Wall-Mounted Holder	1个

Mini Series

- The product length is 130mm and the weight is 10g.
- Ergonomically designed for easy hand control and reduced hand fatigue
- Product specifications are complete and customizable
- The pipette body is light in weight, light and convenient to use, and meets the needs of the experiment.



Item No.	Channels	Range	Compatible Tip
72B31241	1	25 μl	200μl&300μl
72B31251	1	50 μl	200μl&300μl
72B31351	1	75 μl	200μl&300μl
72B31261	1	100 μl	200μl&300μl
72B31271	1	200 μl	200μl&300μl
72B31341	1	300 μl	300μl

Stepper

- light weight (< 10g) and wide volume range covering 10µl to 5000µl
- Up to 44 times of liquid delivery and 35 kinds of selection of liquid delivery to save your time
- The steptip & wheel position selection table indicates the loading capacity and delivery volumes for each of the seven Stepper models
- Depends on the positive displacement principle, it is suitable for precise pipetting of liquids with corrosivity or viscosity.



Cat. No.	Product Name	Description
74541461	BIO-DL Stepper	10-5000µl
Accessories		
64521122	12.5ml tip	1
64521132	25ml tip	1
140023	adapter for 50ml tip	1

Steptips

Cat. No.	Specifications	Description
64521082	0.5ml	10 pieces/pack
64521092	1.25ml	10 pieces/pack
64521102	2.5ml	10 pieces/pack
64521112	5ml	10 pieces/pack
64521122	12.5ml	10 pieces/pack
64521132	25ml	5 pieces/pack
64521142	50ml	5 pieces/pack
140023	adapter	50ml

Consumables

PipetteStand

- **Sturdy and durable:** High-density factory plastic injection molding , acid and alkali resistant , easy to use,smooth and convenient.
- **Reliable design:** Securely holds and protects pipettes.
- **High applicability:** Compatible with BIO-DL series pipettes and also with Thermo Fisher , Eppendorf , Dragonlab and other brand pipettes



Item number	Name	Specification	Describe
66031001	Linear Pipette Stand	Hanging 7 pipettes	Suitable for BIO-DL Genex and Colour series pipettes etc.
66014007	Circular Pipette Stand	Hanging 6 pipettes	Suitable for BIO-DL Genex series pipettes etc.

Universal pipette tips

- Clean and pollution-free
- Excellent air tightness
- Advanced technology, no bending deformation
- Strong adaptability, suitable for many brands of pipette



ItmeNo.	Range	Tiplength (mm)	Specification
Racked Pipette Tips			
62011013	10μl	39.8	96tips/rack, 50racks/carton
62011023	200μl	50.49	96tips/rack, 50racks/carton
62011033	300μl	60.19	96tips/rack, 50racks/carton
62011043	1000μl	87.70	96tips/rack, 50racks/carton
Bagged Pipette Tips			
6202101A	10μl	39.8	1000tips/bag, 20bags/carton
6202102A	200μl	50.49	1000tips/bag, 20bags/carton
6202103A	300μl	60.19	1000tips/bag, 20bags/carton
6202104A	1000μl	87.70	1000tips/bag, 5bags/carton
Racked Filtered Pipette Tips			
62011181	10μl Extended	45.7	96tips/rack, 50racks/carton
62011161	20μl	50.49	96tips/rack, 50racks/carton
62011171	100μl	60.17	96tips/rack, 50racks/carton
62011191	200μl	60.19	96tips/rack, 50racks/carton
62031001	1000μl	77.7	96tips/rack, 50racks/carton
62011211	1000μl Extended	87.7	96tips/rack, 50racks/carton

Instruments

Microdrop plus ultramicro-spectrophotometer

Microdrop plus is an ultramicro-spectrophotometer which can measure the optical absorption of a micro volume of samples rapidly and accurately, and is easy to use due to its big touch screen and visual interface.

-  Double measuring modes
-  Fast for result
-  Big touch screen
-  Sample saving



Parameters

Pedestal mode:

Loading sample volume	0.5 - 2 μ L
Precision of absorption	0.002Abs (1mm optical path length)
Optical path length	1mm (can be auto-adjusted to 0.05mm)
Concentration measuring range	2 - 15,000 ng/ μ L (dsDNA)
Accuracy of absorption	3% (0.65 Abs at 350nm)
Wave accuracy	1nm
Resolution	<1.8nm (FWHM at Hg 253.7 nm)
Wave range	185 - 910nm
Measuring speed	<5s (DNA measuring function)
Absorption range	0.02 - 300 (equivalents to 10mm optical path)

Cuvette mode:

Beam position	8.5mm above the bottom
Temp. control accuracy	7 $\pm$ 5°C
Concentration measuring range	0.4 - 750 ng/ μ L (dsDNA)
Stirring speed	150 - 850 rpm
Optical path length	1, 2, 5, 10mm alternative
Absorption range	0.002 - 1.5

Common parameter:

Power supply	AC 110V – 220V 50/60 Hz
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Ordering information

Item NO.	Product name	Describe
58L01001	Microdrop plus	Ultramicro- spectrophotometer
Optional accessories		
58601021	Quartz cuvette	
58601031	Delicate paper	
82211011	Standard substance (nucleic acid)	
82211021	Standard substance (protein)	

K3 series Microplate readers are popular in many biological/chemical labs relying on their flexible functions, and can measure the absorbance value of the samples in microplates rapidly and accurately.



K3 Plus Microplate reader



K3 Pro Microplate reader

Parameters

Model	K3 Plus	K3 Pro
Item NO.	51B11001	51711011
Light source	Quartz halogen lamp	Quartz halogen lamp
Wave length range	400-750nm	340-850nm
Microplate mode	48 & 96-well plate	96 & 384-well plate
Optical filters	8 hole sites optical filter wheel with 405nm&450nm&492nm&630nm filters for standard configuration	8 hole sites optical filter wheel with 405nm&450nm&620nm filters for standard configuration
Absorbance resolution	0.001Abs	0.001Abs
Half-band width	3-9nm	3-9nm
Reading range	0-4Abs	0-6Abs
Linearity	0-3Abs @450nm	0-4Abs @405nm. (0-3Abs $\pm$ 2% in rapid measure mode; 0-4Abs $\pm$ 2% in common measure mode)
Accuracy	$\pm$ 0.007Abs (0-0.3Abs); $\pm$ 1% (0.3-2Abs)	$\pm$ 1% (0-3Abs) @405nm; $\pm$ 2% (3-4Abs) @405nm
Precision	CV $\leq$ 0.5% (0-1.5Abs); CV $\leq$ 1.0% (1.5-2Abs)	CV $\leq$ 0.2% (0-3Abs); CV $\leq$ 1.0% (3-4Abs) @405nm
Measuring speed	For 96-well plate: 8s in continuous mode and 20s in step mode	for 96-well plate: 8s in rapid measure mode and 12s in common measure mode; for 384-well plate: 16s in rapid measure mode and 24s in common measure mode
Heating incubator	None	RT + 4°C - 55°C (configured for standard)
Shaker	3 speed levels optional linear shaker (configured for standard)	3 speed levels optional linear shaker (configured for standard)
Display & operate	7-inch color touch screen	10-inch HD color touch screen
Language	Chinese & English	Chinese & English
Data export	USB	USB
Printer	USB	USB/WiFi
Internal storage program capacity	500 programs	1000 programs
PC software	configured for standard	configured for standard

