

OXFORD LAB PRODUCTS

Pipettes



Oxford BenchMate® Single
& Multichannel Pipette



Oxford BenchMate® L
Single Channel Pipette



Oxford BenchMate® E
Electronic Pipette

Centrifuges



C8
Microcentrifuge 8 Place



C6V
Clinical Centrifuge



C12V
Minicentrifuge 12 Place



CH24V
Hematocrit Centrifuge

Tips



Pipette Tips

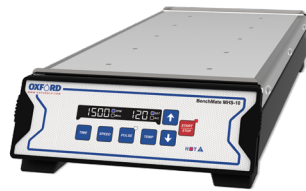
Tubes



15 mL & 50 mL
Centrifuge Tubes

Magnetic & Hotplate Stirrers

MHS-10L
Hotplate Stirrer



MHS-5/MHS-10
Hotplate Stirrer



MS1/MS4
Magnetic Stirrer

MHS-20
Hotplate Stirrer



Vortex Mixers



VM-M
Mini Vortex Mixer



VM-D
Digital Vortex Mixer

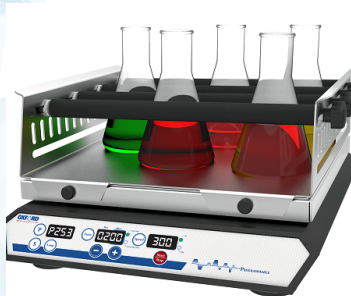


VM-MT
Multi Vortex Mixer

Shakers



S4P-D
4 Place Plate Shaker



OS-10/20
Orbital Shaker

Tube Rollers & Rotators



TR4
Analog Tube Roller



TR6/TR10
Digital Tube Roller



OTR-16
Tube Rotator



OTR-24D
Tube Rotator

Original BenchMate®

Manual Pipette



Providing Reliable Results for Over 20 Years

Oxford Lab Products
Original BenchMate® Manual Pipette
Features and Benefits

Time-Tested Durability

The original BenchMate® pipette was first introduced in 1995 and continues to be popular in labs today

Autoclavable and UV Resistant

Fully autoclavable and UV resistant, making it great for clean rooms, aseptic, and sterile applications

Enhanced Accuracy and Precision

Hyper blowout system improves dispensing accuracy with a longer second-push stroke on single channel models

Locking Mechanism

Prevents accidental volume changes while aspirating and dispensing liquids

Four Digit Micrometer

Delivers more precise and accurate volume settings compared to a three digit micrometer

Lifetime Warranty*

Durable equipment built to last



*Lifetime warranty only available in the Continental USA

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Oxford Lab Products
Original BenchMate® Manual Pipette
Product Overview



Tip cones designed for easy
tip mounting and ejection

Large plunger for
comfortable aspirating
and dispensing

Locking mechanism to
prevent “pipette drift”

Glass counter window
for easy cleaning and
chemical resistance

Body material has a high
tolerance to solvents
and to drop impact

Rotating 360° handle for
convenient pipetting position

Ceramic plungers are used for
pipettes larger than 200µL for
increased chemical resistance

PTFE (Fluorine resin) is used in
the airtight chamber to enhance
accuracy and reproducibility

Hyper Blowout System in single
channel pipettes to improve
precision and accuracy



Oxford Lab Products
Original BenchMate® Manual Pipette
 Ordering Information Specifications

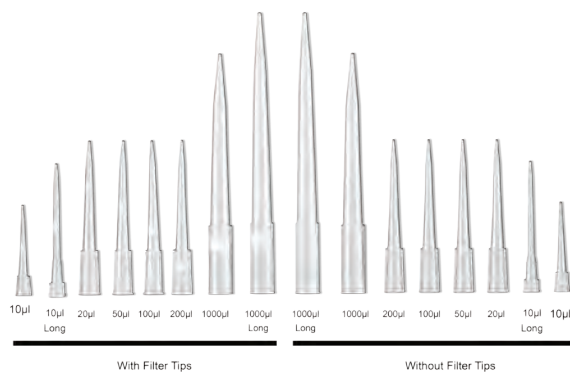
Single Channel BenchMate® Pipettes

Single Channel Catalog No.	Volume Range (µL)	Increments (µL)	Volume (µL)	Accuracy (systematic error) AC (%)	Precision (random error) CV (%)
OB-2	0.1 to 102	0.01	0.2 1 2	±12.0 ±5.0 ±3.0	≤6.0 ≤2.5 ≤1.0
OB-10	0.5 to 10	0.1	1 5 10	±4.0 ±1.0 ±1.0	≤3.0 ≤1.0 ≤0.5
OB-20	2 to 20	0.2	2 10 20	±5.0 ±1.0 ±1.0	≤3.0 ≤1.0 ≤0.4
OB-100	10 to 100	0.1	10 50 100	±2.0 ±1.0 ±0.8	≤1.0 ≤0.3 ≤0.3
OB-200	20 to 200	0.2	20 100	±1.0 ±0.8	≤0.5 ≤0.3

Multichannel BenchMate® Pipettes

8-Channel Catalog No.	12-Channel Catalog No.	Volume Range (µL)	Increments (µL)	Volume (µL)	Accuracy (systematic error) AC (%)	Precision (random error) CV (%)
OB8-10	OB12-10	0.5 to 10	0.01	1 5 10	±8.0 ±4.0 ±2.0	≤5.0 ≤2.0 ≤1.0
OB8-100	OB12-100	5 to 100	0.1	10 50 100	±3.0 ±1.0 ±0.8	≤2.0 ≤0.8 ≤0.3
OB8-200	OB12-200	20 to 200	0.2	20 100 200	±3.0 ±1.0 ±0.9	≤0.6 ≤0.4 ≤0.3
OB8-300	OB12-300	30 to 300	1	30 150 300	±3.0 ±1.0 ±0.6	≤1.0 ≤0.5 ≤0.3

BenchMate® Pipette Tips



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BenchMate® L

Advanced Manual Pipette



Oxford Lab Products

BenchMate® L Advanced Manual Pipette

Features and Benefits

Fully Autoclavable and UV Resistant

Ideal for use in sterile applications and cell culture

Durable

The sealing ring is tested to dispense and aspirate 600,000 times; equivalent to 6,250 96-well plates

Solvent Resistant

The pipette body and ceramic plunger have a high tolerance to solvents to prevent corrosion

50/50 Balanced

Composed of lightweight plastic and components in an ergonomic design with a large finger hook and plunger

Enhanced Accuracy and Precision

Hyper blowout system improves dispensing accuracy with a longer second-push stroke

Four Digit Micrometer

Delivers more precise and accurate volume settings compared to a three digit micrometer

Lifetime Warranty*

Durable equipment built to last

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Oxford Lab Products

BenchMate® L Advanced Manual Pipette

Product Overview



Light Plunger Force

70% Less force required to pipette when compared to the original BenchMate® pipette

Locking Mechanism

Minimizes pipette drifting

Glass Counter Window

Solvent tolerant and easy to clean window displays large volume digits

Ceramic Plunger

Increased corrosion resistance when compared to stainless steel plungers

Hyper Blower System

Improves precision and accuracy of small volumes

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Oxford Lab Products

BenchMate® L Advanced Manual Pipette

Ordering Information Specifications

Single Channel Catalog No.	Volume Range (μL)	Increments (μL)	Volume (μL)	Accuracy (systematic error) AC (%)	Precision (random error) CV (%)
OBL-2	0.1 to 2	0.002	0.2 1 2	±12.0 ±5.0 ±3.0	≤6.0 ≤2.5 ≤1.0
OBL-10	1.5 to 10	0.001	1 5 10	±4.0 ±1.0 ±1.0	≤3.0 ≤1.0 ≤0.5
OBL-20	2 to 20	0.02	2 10 20	±5.0 ±1.0 ±1.0	≤3.0 ≤1.0 ≤0.4
OBL-100	10 to 100	0.1	10 50 100	±2.0 ±1.0 ±0.8	≤1.0 ≤0.3 ≤0.3
OBL-200	20 to 200	0.2	20 100 200	±1.0 ±0.8 ±0.8	≤0.5 ≤0.3 ≤0.2
OBL-1000	100 to 1000	1	100 500 1000	±1.0 ±0.8 ±0.7	≤0.5 ≤0.3 ≤0.2

Complementary Oxford LP Products



BenchMate® E
Electronic Pipettes



Digital Vortex Mixer
(VM-D)



Microcentrifuge
(C8)



Digital Plate Shaker
(S4P-D)



High Speed Microcentrifuge
(C12V)

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BenchMate® E

Electronic Pipette



Transformative Pipetting

OXFORD
BenchMate E

Oxford Lab Products

BenchMate® E Electronic Pipette

Features and Benefits

Easy to Use

Simple, color interface to quickly choose pipetting mode

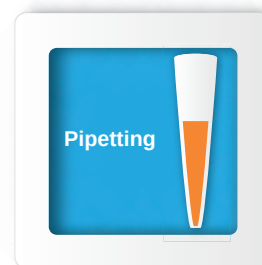
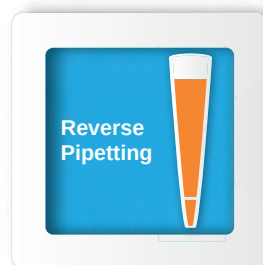
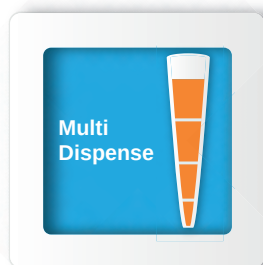
Ergonomic Design

Ultra lightweight, balanced to reduce RSI

One Click Favorites

Store and recall up to 3 frequently used programs

Popular Pipetting Modes



Smart Charging

Pipette can be used while plugged in. Battery charges in 2 hours when pipette is not in use.

Password Protected

Secures calibration due date

Robust

Stepper motor for accurate, precise, and reliable pipetting

Lifetime Warranty*

Durable equipment built to last

*Lifetime warranty only available in the Continental USA



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OXFORD
BenchMate E

Oxford Lab Products

BenchMate® E Electronic Pipette

Product Overview



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Single Channel BenchMate® E Electronic Pipettes

Single Channel Catalog No.	Volume Range (μL)	Increments (μL)	Volume (μL)	Accuracy (systematic error) AC (%)	Precision (random error) CV (%)
OBE-10	0.5 to 10 	0.01	1 5 10	±2.5 ±2 ±1	≤1.8 ≤1 ≤0.6
OBE-100	5 to 100 	0.1	10 50 100	±3 ±1 ±0.8	≤1 ≤0.5 ≤0.2
OBE-200	10 to 200 	0.1	20 100 200	±2.5 ±0.7 ±0.6	≤0.7 ≤0.3 ≤0.2
OBE-1000	50 to 1000 	1	100 500 1000	±3 ±1 ±0.6	≤0.6 ≤0.4 ≤0.2
OBE-5000	250 to 5000 	5	500 2500 5000	±2.4 ±1.2 ±0.6	≤0.6 ≤0.25 ≤0.15

Multichannel BenchMate® E Electronic Pipettes

8-Channel Catalog No.	12-Channel Catalog No.	Volume Range (μL)	Increments (μL)	Volume (μL)	Accuracy (systematic error) AC (%)	Precision (random error) CV (%)
OBE8-10	OBE12-10	0.5 to 10 	0.01	1 5 10	±8 ±4 ±2	≤5 ≤2 ≤1
OBE8-20	OBE12-20	2 to 20 	0.01	2 10 20	±7 ±3 ±2	≤3 ≤2 ≤1.6
OBE8-100	OBE12-100	5 to 200 	0.1	10 50 100	±3 ±1 ±0.8	≤2 ≤0.8 ≤0.3
OBE8-200	OBE12-200	10 to 200 	0.1	20 100 200	±5 ±1 ±0.7	≤1.4 ≤0.4 ≤0.25
OBE8-300	OBE12-300	15 to 300 	0.1	30 150 300	±3 ±1 ±0.6	≤1 ≤0.5 ≤0.3



Pipette Stands for BenchMate® E Electronic Pipette

Catalog No.	Description
OBE-S	Acrylic Pipette Stand, for One Pipette
OBE-CS	Charging Pipette Stand, for One Pipette



BenchMate® Centrifuges



Oxford Lab Products

C8 Microcentrifuge

Features and Benefits

Designed for Quick Spin Applications

Versatility, simplicity, and safety in a single unit

Simple Cleaning

Easy-to-clean drain in case of sample spillage

Compact Footprint

To save you valuable bench space

Rotor and Tube Versatility

8-place 1.5 mL/2.0 mL microcentrifuge tube rotor and
16-place PCR tube rotor included

Simple Operation and Fixed Speed

Digital display with 6,000 rpm (2,000 x g) fixed speed

Quiet Operation

Unique closed rotor design

Lifetime Warranty*

Durable equipment built to last



Product Specifications for Oxford Lab Products C8 Microcentrifuge

Catalog Number	C8
Speed rpm/RCF	6,000 rpm/2,000 x g
Capacity	8 Place Closed Rotor for 1.5 mL/2.0 mL Microcentrifuge Tubes
Tube Adapters	Reduction Adaptors for 0.2 mL/0.5 mL Microtubes
Imbalance Detection	Yes
Digital Display	Yes
Electronic Safety Brake	Yes
Noise Level	<55 dB
Dimensions (W x D x H)	162 x 157 x 115 mm (6.4 x 6.2 x 4.5 in.)

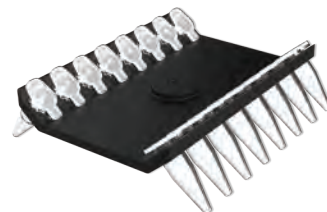
*Lifetime warranty only available in the Continental USA



1.5 mL/2.0 mL
Microcentrifuge Tube Rotor



0.5 mL Microcentrifuge
Tube Adapters



PCR Tube Rotor

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Oxford Lab Products

C12V High-Speed Microcentrifuge

Features and Benefits

High Speed

15,000 rpm (15,596 x g) maximum speed

Saves Benchtop Space

Small footprint

Perfect for Standard Microcentrifuge Tubes

12-place 1.5 mL/2.0 mL microcentrifuge tube rotator included

Easy to Set and View Programs

Large digital display

Programmable

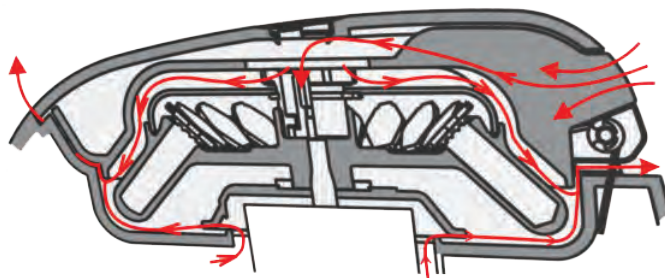
99 programs with 4 lines each

Durable Motor

BLDC motor is maintenance free and produces less heat than traditional motors

Lifetime Warranty*

Durable equipment built to last



Airflow Design Minimizes Heat Generation



16-Place PCR Tube Rotor
(C12V-PCR-Rotor)



12-Place Microcentrifuge Tube Rotor
and Adapters (Included)



Durable Metal Shell and Rotor Construction
for Increased Safety

Product Specifications for Oxford Lab Products C12V Microcentrifuge

Catalog Number	C12V
Maximum rpm/RCF	15,000 rpm/15,596 x g
Speed Setting	Variable, 500 rpm to 15,000 rpm
Included Rotor	12 Place 1.5 mL/2.0 mL Microcentrifuge Tubes
Optional PCR Tube Rotor	PCR Strip Rotor (2 x 8 x 0.2 mL)
Tube Adapters	Reduction Adaptors for 0.4 mL/0.5 mL Tubes
Programmable	Yes; USB Connectivity for Data Log and Remote Operation Programming
Timer Setting	Countdown Timer from 1 Minute to 999 Minutes
Motor Type	Brushless DC (BLDC) Motor
Display	Large Back-lit LCD Display
Imbalance Detection	Yes
Noise Level	< 60 dB

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Oxford Lab Products

C6V Clinical Centrifuge

Features and Benefits

Maintain Sterility

Fully autoclavable rotor

Simple Cleaning

Easy-to-clean drain in case of sample spillage

High Capacity and Versatility

6-place rotor for 1.5 mL, 5 mL, 7 mL, 9 mL, 10 mL, and 15 mL tubes with included adapters

High Speed/Application Range

Maximum speed of 6,500 rpm (3,684 x g) controlled digitally

No Sample Heating

Low heat generation due to BLDC motor

Lifetime Warranty*

Durable equipment built to last



Reduction Adaptors

Product Specifications for Oxford Lab Products C6V Clinical Centrifuge	
Catalog Number	C6V
Maximum rpm/RCF	6,500 rpm (RCF: 3,684 x g)
Maximum Capacity	6 x 15 mL Tubes
Included Tube Adapters	Reduction Adaptors for 5 mL, 7 mL, and 1.5/2 mL Tubes
Speed Setting	Variable; 500 rpm to 6,500 rpm, in 100 rpm Increments
Run Time	1 to 30 Minutes and Infinite Mode
Motor Type	Brushless DC (BLDC) Motor
Imbalance Detection	Yes
Lid Safety Lock	Yes; Lid Release Opens Automatically
Fixed Angle Rotor	25 °C
Acceleration Time	25 Seconds
Deceleration Time	39 Seconds
Size (L x B x W)	260 x 244 x 203 mm

*Lifetime warranty only available in the Continental USA



Rotor

Oxford Lab Products

CH24V Hematocrit Centrifuge

Features and Benefits

Maintain Sterility

Centrifuge up to 24 capillary tubes

Variable Speed for a Wide Application Range

Maximum speed of 12,000 rpm (14,119 x g) controlled digitally

Favorite Mode

Save a preset speed and time

User Safety is a Priority

Auto imbalance detection and lid lock is standard on each unit

No Sample Heating

Low noise and heat production

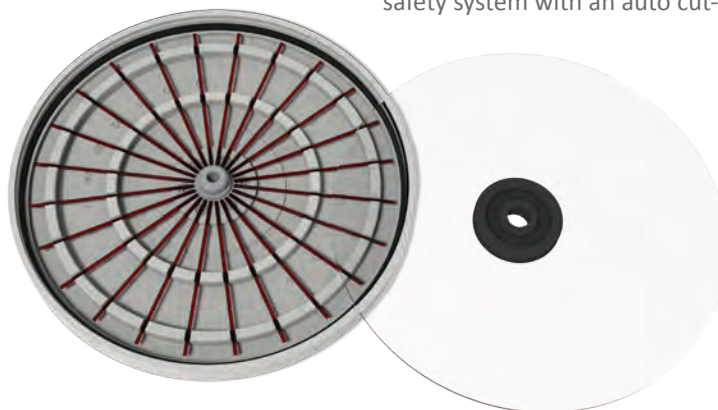
Lifetime Warranty*

Durable equipment built to last



This affordable, compact centrifuge is ideal for any laboratory determining erythrocyte fractions in blood and separating micro solutions.

Safety is emphasized by the Oxford microhematocrit with an imbalance detection safety system with an auto cut-off feature.



Product Specifications for Oxford Lab Products Hematocrit Centrifuge

Catalog Number	CH24V
Maximum Capacity	24 x 45 mm/75 mm Length Capillary Tubes
Maximum Speed	12,000 rpm (RCF: 14,119 x g)
Speed Setting	Variable; 500 rpm to 12,000 rpm, in 100 rpm Increments
Run Time	Up to 12 Minutes
Rotor	HCT Rotor with Screw on Lid
Motor Type	Brushless DC (BLDC) Motor
Imbalance Detection	Yes
Lid Safety Lock	Yes; Lid Release Opens Automatically
Size (L x B x W)	363 x 301 x 105 mm

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Oxford Lab Products
BenchMate® Pipettes
 Additional Products

Original BenchMate®
 Pipette



BenchMate® L Single
 Channel Pipette



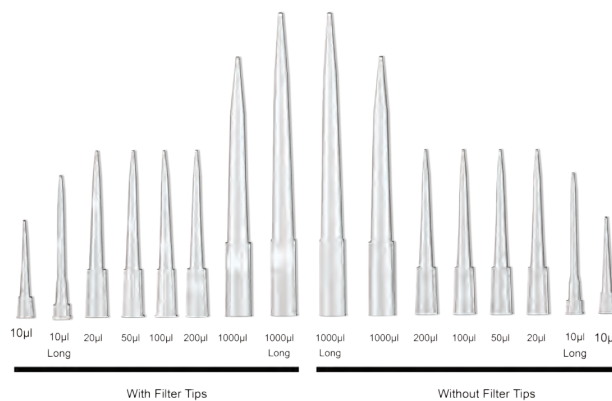
BenchMate® E
 Single and Multi Channel Electronic Pipettes



Digital Magnetic Stirrer



BenchMate® Centrifuge Tubes



BenchMate® Pipette Tips

BenchMate® Vortex Mixers



Oxford Lab Products

BenchMate® Digital Vortex Mixer

Features and Benefits

Powerful and Broad Speed Range

Adjustable speed range from 300 rpm to 4200 rpm

Easy and Accurate Setting Adjustment

Digital display ideal for protocol documentation

Hands-free Usability

Touch activation and continuous modes for easy mixing

No "Walking"

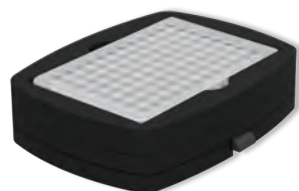
Built-in counterbalance

Pulse Function

Alternates 5 seconds of mixing with 5 motion-free seconds

Lifetime Warranty*

Durable equipment built to last



Microplate Attachment
(VM-D-PLATE)



24 x 1.5 mL Microtube
Attachment
(VM-D-TUBE)



Round Disk Attachment
(VM-D-ROUND)



Erlenmeyer Flask
Attachment
(VM-D-FLASK)

Product Specifications for BenchMate® Digital Vortex Mixer	
Catalog Number	VM-D
Speed Range	300 rpm to 4200 rpm
Modes	Touch, Continuous, and Pulse Mode
Timer Function	1 Minute to 999 Minutes and Infinite Mode
Digital Display	Yes
Motor Type	Brushless DC (BLDC) Motor
Orbital Diameter	4 mm
Max. Load Capacity	500 g

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Oxford Lab Products

BenchMate® Multi Tube Vortex Mixer

Features and Benefits

High Throughput

Simultaneously vortex up to 60 tubes

Wide Speed Range

The 300 rpm to 2500 rpm variable speed meets most application needs

Easy and Accurate

Digital display and microprocessor are accurate to within 5 rpm of set speed

Ideal for Difficult-to-Mix Solutions

Programmable pulse function with pulse function alternating between clockwise and counterclockwise motion

Quiet Operation

Brushless DC motor

Versatile

Optional attachments for multiple tube sizes and flasks

Lifetime Warranty*

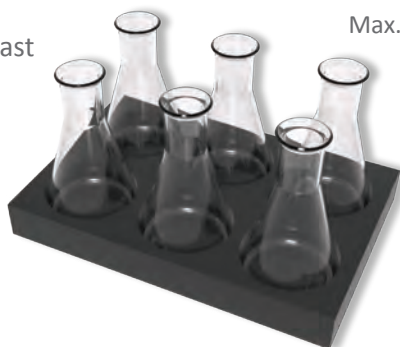
Durable equipment built to last



50 mL Tube Attachment
Max. Capacity: 18 Tubes
(VM-MT-50)



15 mL Tube Attachment
Max. Capacity: 45 Tubes
(VM-MT-15)



250 mL Flask Attachment
Max. Capacity: 6 Flasks
(VM-MT-FLASK)



1.5/5/7 mL Tube Attachment
Max. Capacity: 60 Tubes
(VM-MT-7)

Product Specifications for BenchMate® Multi Tube Vortex Mixer

Catalog Number	VM-MT
Speed Range	300 rpm to 2500 rpm
Speed Accuracy	±5 rpm
Timer Function	1 Minute to 999 Minutes and Infinite Mode
Motion Type	Clockwise (CW) and Counterclockwise (CCW) Motion
Pulse Mode	Programmable Pulse with Selection of Variable Time Between 30-99 Seconds
Digital Display	Yes
Motor Type	Brushless DC (BLDC) Motor
Orbital Diameter	4 mm
Protection Class	IP 21

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Oxford Lab Products

BenchMate® Mini Vortex Mixer

Features and Benefits

Powerful Vortex Mixing

2500 rpm to 4500 rpm adjustable speed

Small Footprint

Only 100 mm diameter

Stable with No “Walking” Issues

Built-in counterbalance and suction cup feet

Easy to Clean

Silicone cup

Robust Design

Constructed with a die-cast aluminum base ensuring a long-life

Lifetime Warranty*

Durable equipment built to last



Product Specifications for BenchMate® Mini Vortex Mixer

Catalog Number	VM-M
Speed Range	2500 rpm to 4500 rpm
Modes	Touch Activation
Maximum Tube Diameter	Up to 30 mm
Motor Type	Brushless DC (BLDC) Motor
Orbital Diameter	4.5 mm
Maximum Load Capacity	500 g

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Complementary Oxford LP Products



BenchMate® Centrifuge
Tubes



BenchMate® Microcentrifuge
(C8)



Digital Magnetic Stirrer
(MS1)

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BenchMate® Laboratory Shakers



Oxford Lab Products

BenchMate® Digital Orbital Shaker

Features and Benefits

Program the Shaker for Quicker Use

You can pre-program:

- Motion direction (clockwise or counterclockwise)
- Speed
- Run time from 1 minute to 99.59 hours
- Dwell time and sequence

Pulse Function for Vigorous Mixing

Set the orbital shaker to alternate between a clockwise and counterclockwise motion

Designed with Documentation in Mind

Large LED display simultaneously shows speed, time, and program



Utilize Almost All Vessel Shapes and Sizes

Multiple attachments and platforms are available to fit your applications

Lifetime Warranty*

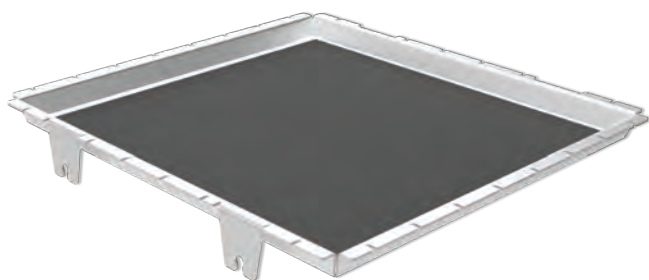
Durable equipment built to last

Product Specifications		
Catalog Number	OS-10+	OS-20+
Description	BenchMate® 10 mm Orbital Shaker with Stainless Steel Slip Resistant Tray	BenchMate® 20 mm Orbital Shaker with Stainless Steel Slip Resistant Tray
Orbital/Linear Motion	10 mm Diameter	20 mm Diameter
Variable Speed	50 rpm to 500 rpm	50 rpm to 300 rpm
Motor Type	Brushless DC (BLDC) Motor	Brushless DC (BLDC) Motor
Run Time	1 Minute to 99.59 Hours	1 Minute to 99.59 Hours
Programmable	Yes; Save up to 6 Programs with 9 Sub-programs	Yes; Save up to 6 Programs with 9 Sub-programs
Max. Allowable Weight	7.5 kg/16.5 lbs (Including Attachment)	7.5 kg/16.5 lbs (Including Attachment)
Platform Size (L x W)	330 mm x 330 mm	330 mm x 330 mm
Dimensions (L x W x H)	350 mm x 408 mm x 105 mm	350 mm x 408 mm x 105 mm
RS-232 Interface	Optional	Optional

*Lifetime warranty only available in the Continental USA

BenchMate® Orbital Shaker Attachments

Attachment Overview



Stainless Steel Base Plate
with Slip Resistant Tray
(Cat. No. OS-SBP; Included)



Universal Platform with Adjustable Bars
Flask Capacity of 13 x 100 mL, 13 x 150 mL,
9 x 250 mL, 6 x 500 mL, or 5 x 1000 mL
(Cat. No. OS-UA)



Funnel Attachment Platform
(Cat. No. OS-FA)



Stainless Steel Platform for Stainless Steel Clamps
OS-SBP250: Flask Capacity of 9 x 100 mL, 150 mL, or 250 mL Flasks
OS-SBP1000: Flask Capacity of 9 x 500 mL or 5 x 1000 mL Flasks
Clamps Sold Separately



Plastic Flask Clamps
250 mL Flask Clamp: OS-PC250
500 mL Flask Clamp: OS-PC500



Stainless Steel Flask Clamps
100 mL Flask Clamp: OS-SC100
250 mL Flask Clamp: OS-SC250
500 mL Flask Clamp: OS-SC500
1000 mL Flask Clamp: OS-SC1000



Plastic Platform for Plastic Clamps
Flask Capacity of 9 x 250 mL or 9 x 500 mL,
Clamps Sold Separately
(Cat. No. OS-PBP)

Oxford Lab Products

BenchMate® Digital Plate Shaker

Features and Benefits

Consistent Temperature

No temperature “hotspots” with compartmentalized brushless DC motor

Designed for Documentation

Digitally adjust speed from 200 rpm to 1200 rpm

Robust Mixing Option

Continuous and pulse functions for vigorous mixing

Supported Base

Ensures constant speed across the entire shaking platform

Programmable

Program speed, run time, and pulse mode

Lifetime Warranty*

Durable equipment built to last



Product Specifications

Catalog Number	S4P-D
Description	BenchMate® Digital Four Plate Shaker with 3 mm Orbital Motion, 200 to 1200 rpm Speed Range
Orbital Diameter	3 mm
Variable Speed	200 rpm to 1200 rpm, in 10 rpm Increments
Plate Capacity	4 Standard SBS Footprint Microtiter Plates
Pulse Mode	Yes (Clockwise and Counterclockwise Motions)
Timer	1 Minute to 999 Minutes and Infinite Mode
Motor Type	Brushless DC (BLDC) Motor
Programmable	Yes
Max. Weight Capacity	2 Kg/4.4 lbs
Dimensions (L x W x H)	343 x 195 x 88 mm
Protection Class	IP 20

*Lifetime warranty only available in the Continental USA

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BenchMate®

Tube Rollers and Rotators



Oxford Lab Products

BenchMate® Digital & Analog Tube Rollers

Features and Benefits

High Capacity

Mix up to twenty-seven 7 mL tubes with the 10 Roller model (TR10)

Quick and Easy to Clean

Removable rollers for effortless cleaning

Versatile

Adjustable roller spacing to hold different diameter tubes

Programmable

Save programs easily with the digital models

Adjusts to Varying Weight of Samples

Microprocessor controlled variable speed incorporated into every digital model

Lifetime Warranty*

Durable equipment built to last

Digital Tube Roller



Analog Tube Roller



Detachable Rollers for Easy Disinfection

Specification	Digital Tube Rollers		Analog Tube Roller
Catalog Number	TR6	TR10	TR4
Number of Tube Rollers	6 Rollers	10 Rollers	4 Rollers
Maximum Capacity	15 x 7 mL Tubes	27 x 7 mL Tubes	9 x 5 mL Tubes
Removable Rollers	Yes; Tool Free Removal	Yes; Tool Free Removal	Yes; Tool Free Removal
Speed	Variable, 10 to 80 rpm	Variable, 10 to 80 rpm	Fixed, 30 rpm
Programmable	Yes	Yes	No
Speed Accuracy	±5 rpm	±5 rpm	±2 rpm
Speed Steps	1 rpm	1 rpm	—
Motor Type	Brushless DC Motor	Brushless DC Motor	AC Synchronous
Tilt Angle	±3°	±3°	±3°
Operation Type	Continuous & Timed Modes	Continuous & Timed Modes	Continuous Mode
Timer Range	0 to 99 Minutes & Infinite Mode	0 to 99 Minutes & Infinite Mode	Infinite Mode
Dimensions	496 x 107 x 292 mm	496 x 107 x 292 mm	475 x 210 x 80 mm
Protection Class	IP 21	IP 21	IP 21

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Oxford Lab Products

BenchMate® Digital Tube Rotator

Features and Benefits

Versatile

Adjustable speed, time and tilt angle, and 3 different disc plate options

High Capacity

Accommodates up to 22 blood collection tubes, ESR, or vacuum tubes

Removable Discs

Easy-to-remove discs for effortless cleaning

Pulse Mode Option

Pulse mode available for vigorous rotating requirements

Programmable

Save up to 9 different protocols using the digital display

Lifetime Warranty*

Durable equipment built to last



Rotator Disk for 50 mL Tubes
Max. Capacity: 12 Tubes
(OTR-24D-50T; Included)



Rotator Disk for 2 mL Tubes
Max. Capacity: 44 Tubes
(OTR-24D-2T; Optional)



Rotator Disk for 15 mL Tubes
Max. Capacity: 24 Tubes
(OTR-24D-15T; Optional)



Variable Angle

Specification	Oxford Lab Products Digital Tube Rotator
Catalog Number	OTR-24D
Speed Range	10 rpm to 80 rpm
Variable Disc Angle	0° to 90°
Removable Disc Plates	Yes; 3 Options Available
Motor Type	Brushless DC (BLDC) Motor
Speed Accuracy	±1 rpm
Speed Steps	1 rpm Increment
Time Range	1 Minute to 99 Minutes, or Continuous
Programmable	Yes
Maximum Loading Capacity	2 kg
Removable Disc Plates	Yes; 3 Options Available
Dimensions	382 x 330 x 320 mm

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Oxford Lab Products

BenchMate® Analog Tube Rotator

Ordering Information Specifications

Saves Benchtop Space

Compact design accommodates up to 16 blood collection tubes, ESR, or vacuum tubes

High Capacity

Fixed rotational speed of 30 rpm and fixed disc angle of 38°

Simple to Clean

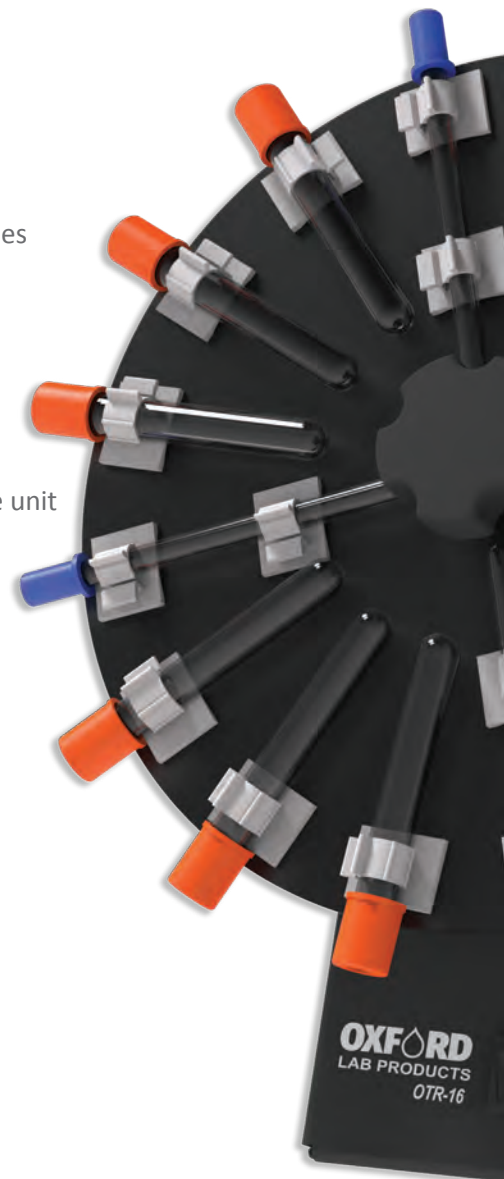
The disc plate can be easily removed and replaced for quick and easy cleaning of the unit

Lifetime Warranty*

Durable equipment built to last

Specification	Oxford Lab Products Digital Tube Rotator
Catalog Number	OTR-16
Fixed Speed	30 rpm
Fixed Disc Angle	38°
Maximum Capacity	12 Blood Collection Tubes and 4 ESR Tubes
Removable Disc Plates	Yes
Motor Type	AC Synchronous Motor
Speed Accuracy	±2 rpm
Operation Type	Continuous Operation
Protection Class	IP 21
Dimensions	278 x 183 x 252 mm

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Complementary Oxford LP Products



Clinical Centrifuge
(C6V)



Microcentrifuge
(C8)



BenchMate® L Pipettes



Digital Vortex Mixer
(VM-D)

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BenchMate®

Centrifuge Tubes



BenchMate® Centrifuge Tubes

Leak Proof Cap for Increased Safety

Large Writing Area
for Easy Identification

Fits Most Standard and High Capacity Centrifuge Rotors



High Contrast Graduations for Quick Volume Recognition

Dark Graduation Marks
Resistant to Physical
and Chemical Corrosion

Produced in a fully automatic, human touch-free clean room facility ensuring the tubes are free from DNase, RNase, human DNA, endotoxins, pyrogens, PCR inhibitors, lubricants, and heavy metals

Oxford Lab Products

BenchMate® Centrifuge Tubes

Features and Benefits



50 mL Centrifuge Tubes BenchMate® Centrifuge Tubes

Maximum Speed: 17,000 x *g*
Temperature Range - 80 °C to +121°C

Catalog No.	Description	Quantity
OCT-50B	BenchMate® 50 mL Sterile Centrifuge Tubes with Attached Flat Cap, Bulk Pack	25 Tubes/Resealable Pack, 20 Packs per Case
OCT-50R	BenchMate® 50 mL Sterile Centrifuge Tubes with Attached Flat Cap, Racked	25 Tubes/Rack, 20 Packs per Case



15 mL Centrifuge Tubes BenchMate® Centrifuge Tubes

Maximum Speed: 17,000 x *g*
Temperature Range - 80 °C to +121°C

Catalog No.	Description	Quantity
OCT-15B	BenchMate® 15 mL Sterile Centrifuge Tubes with Attached Flat Cap, Bulk Pack	25 Tubes/Resealable Pack, 20 Packs per Case
OCT-15R	BenchMate® 15 mL Sterile Centrifuge Tubes with Attached Flat Cap, Racked	25 Tubes/Rack, 20 Packs per Case

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Oxford Lab Products

BenchMate®

Additional Products

Original BenchMate®
Pipette



BenchMate® L Single
Channel Pipette



BenchMate® E
Single and Multi Channel Electronic Pipettes



Digital Vortex Mixer
(VM-D)



Microcentrifuge
(C8)



Digital Plate Shaker
(S4P-D)



High Speed Microcentrifuge
(C12V)

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BenchMate®

Magnetic & Hotplate Stirrers



Oxford Lab Products

BenchMate® Digital Magnetic and Hotplate Stirrers

Features and Benefits

Space Saving Design

Maximize the use of precious bench-top space, the 10-place (MHS-10) unit is less than 8 inches wide

Pulse Function for Vigorous Mixing

Alternates between clockwise and counterclockwise motion every 30 seconds

Designed with Documentation in Mind

Digital display indicates speed and time

Maintenance Free

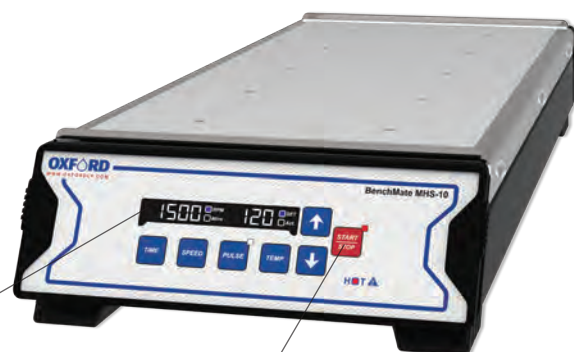
Motorless stirrers with no moveable parts

Easy to Clean

Digital display without knobs

Lifetime Warranty*

Durable equipment built to last



Easy-to-read LED Display
Digital display specifies speed, time, and temperature

Designed for User Safety
Dedicated "HOT" LED indicator light and waterproof heater with built-in safety cutoff

Product Specifications	BenchMate® Magnetic Stirrers		BenchMate® Hotplate Stirrers	
Catalog Number	MS1	MS4	MHS-5	MHS-10
Number of Stirring	1	4	5	10
Max. Volume per Position	800 mL	400 mL	400 mL	400 mL
Total Max. Volume	800 mL	1600 mL	2000 mL	4000 mL
Variable Speed	15 to 1500 rpm, in 50 rpm Increments	15 to 1200 rpm, in 50 rpm Increments	300 to 1500 rpm, in 10 rpm Increments	300 to 1500 rpm, in 10 rpm Increments
Run Time	1 to 99 Minutes & Infinite Mode	1 to 99 Minutes & Infinite Mode	1 to 999 Minutes & Infinite Mode	1 to 999 Minutes & Infinite Mode
Digital Display	Yes	Yes	Yes	Yes
Pulse Mode	Yes	Yes	Yes	Yes
No. PTFE Coated Stir Bars Included (25 x 8 mm)	1	4	5	10
Motor Type	BLDC	BLDC	BLDC	BLDC
Plate Material	Corrosion Resistant Stainless Steel	Corrosion Resistant Stainless Steel	Corrosion Resistant Stainless Steel with Silicone Sheet	Corrosion Resistant Stainless Steel with Silicone Sheet
Dimensions (L x W x H)	156 x 110 x 13.2 mm	457 x 126 x 13.4 mm	562 x 136 x 75 mm	565 x 196 x 75 mm
Protection Class	IP 65	IP 65	IP 65	IP 65
Heater Temperature Range	Ambient, No Heating Element	Ambient, No Heating Element	Ambient to 120°C	Ambient to 120°C

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Oxford Lab Products

BenchMate® 10L Digital Hotplate Stirrer

Features and Benefits

Designed for Heating to Precise Temperatures

With the included temperature sensor you are able to monitor the temperature of your solution

Small Footprint

Stir and heat up to 10L in less than 1 square foot

User Friendly

Large and clear digital display shows temperature, speed, and stir time. A dedicated "HOT" LED indicator is highly visible for user safety.

Powerful

Mix solutions up to 2200 rpm

Save Time

Last run memory feature saves time when preparing the same solutions

Lifetime Warranty*

Durable equipment built to last



Designed for Heating to Precise Temperatures

With the included temperature sensor you are able to monitor the temperature of your solution

Product Specifications for BenchMate® 10L Hotplate Stirrer

Catalog Number	MHS-10L
Maximum Volume	10L
Variable Speed	200 rpm to 2200 rpm, in 10 rpm Increments
Heater Temperature Range	Ambient to 320°C, in 1°C Increments
Temperature Sensor and Stand	Included
Temperature Selection	°C or °F
Digital Display	Yes
Pulse Mode	No
Number of PTFE Coated Stir Bars Included (25 x 8 mm)	1
Hotplate Material	Ceramic Coated Stainless Steel
Hotplate Dimensions	140 mm Diameter
Weight of Instrument	2.2 kg
Dimension (L x W x H)	248 x 156 x 104 mm
Protection Class	IP 21

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Oxford Lab Products

BenchMate® 20L Digital Hotplate Stirrer

Features and Benefits

High Capacity Hotplate Stirrer

Heat and mix up to 20L with a maximum speed of 2200 rpm

Designed for Gentle to Vigorous Mixing

A large variable speed range of 200 to 2200 rpm with optional pulse mode

Features Designed for GLP and GMP Labs

Large digital display simultaneously shows set temperature, actual temperature, speed, operation mode

Multiple Heating Modes

- Slow heating with high accuracy
- Fast heating with high accuracy – heats solutions quickly
- Rapid heating with overshoot Programmable to follow solution preparation SOP – Set and save up to 99 programs. Select speed, time, temperature and pulse feature.

Lifetime Warranty*

Durable equipment built to last

No toggle display
Critical parameters are
displayed simultaneously



Product Specifications for BenchMate® 20L Hotplate Stirrer

Catalog Number	MHS-20L
Optional Temperature Probe	MHS-20L-PROBE
Maximum Volume	20L
Variable Speed	200 rpm to 2200 rpm, in 10 rpm Increments
Heater Temperature Range	Ambient to 550° C
Run Time	1 Minute to 999 Minutes and Infinite
Programmable Mode	Yes; User Can Set and Save Up to 99 User Defined Programs (Protocols)
Pulse Mode	Programmable Pulse Mode – User Can Set Time from 30 to 99 Seconds
Motor Type	Brushless DC (BLDC) Motor
Hotplate Material	Nano Crystalline Glass Ceramic
Hotplate Dimensions	180 x 180 mm
Weight	5.4 kg
Dimension (L x W x H)	220 x 330 x 115 mm
Protection Class	IP 21

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BenchMate®

Pipette Tips



Oxford Lab Products
BenchMate® Pipette Tips
Features and Benefits

Universal

Compatible with most brands of pipettes

Sterile

Pipette tips are irradiated to a Sterility Assurance Level (SAL) of 10^{-6} , meeting ISO 11137 standards

Free of Contaminants

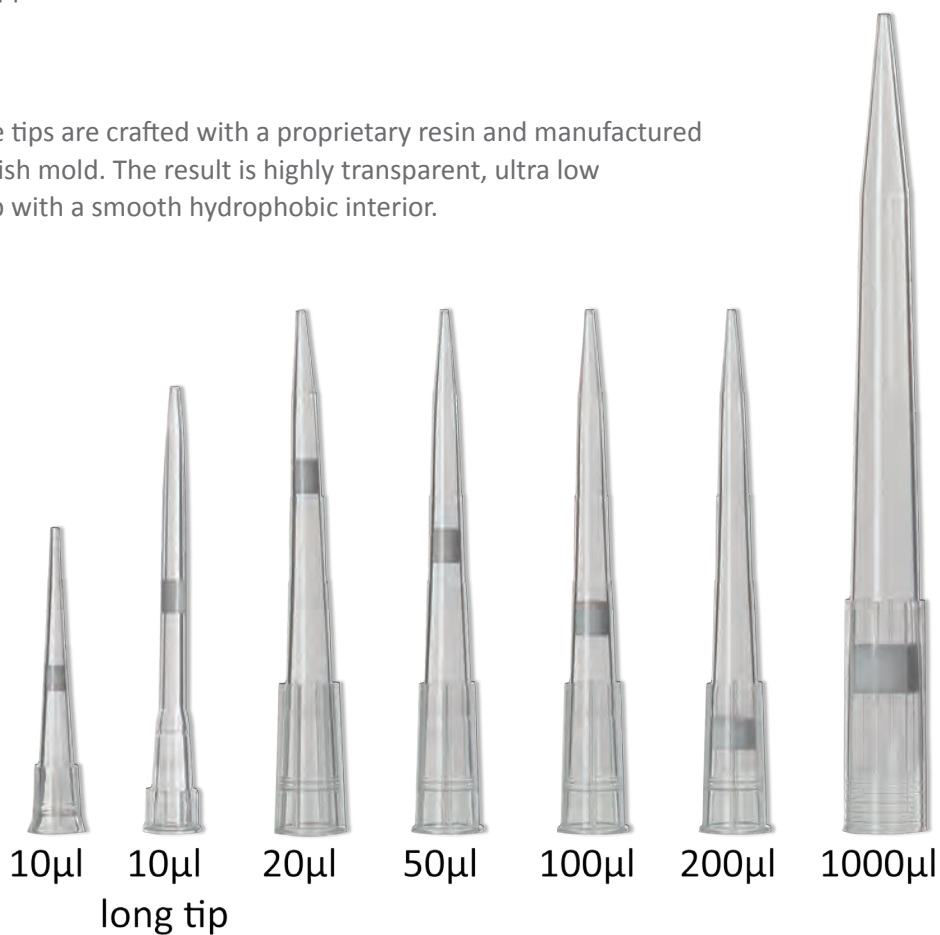
Produced in a fully automatic, human touch free clean room facility ensuring the pipette tips are free from DNase, RNase, human DNA, endotoxins, pyrogens, PCR inhibitors, lubricants, and heavy metal

Superior Filter

Manufactured of PE without additives to create a barrier that is ideal for molecular biology applications

Low Retention

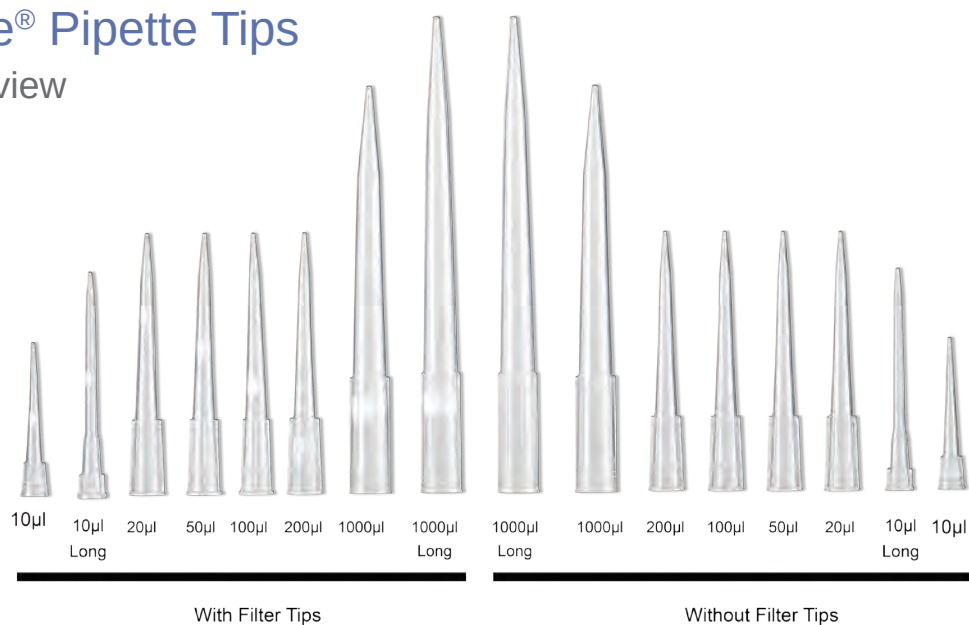
BenchMate® pipette tips are crafted with a proprietary resin and manufactured using a diamond finish mold. The result is highly transparent, ultra low retention pipette tip with a smooth hydrophobic interior.



Oxford Lab Products

BenchMate® Pipette Tips

Product Overview

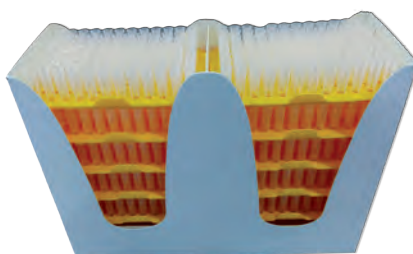


Racks



Individually wrapped
pipette tip boxes

Reload



Space saving
reloading stacks

Bulk



Self standing,
zip lock bags

Catalog Numbers

Tip Size	Sterile Filtered Pipette Tips	Sterile Racked Pipette Tips	Sterile Reload Pipette Tips	Sterile Reload Pipette Tips
10 µL	XF-10	XR-10	XRE-10	XB-10
10 µL XL	XF-10XL	0.XR-10XL	XRE-10XL	XB-10XL
20 µL	XF-20			
50 µL	XF-50			
100 µL	XF-100			
200 µL	XF-200	XR-200	XRE-200	XB-200
300 µL	XF-300	XR-300	XRE-300	XB-300
1000 µL	XF-1000	XR-1000	XRE-1000	XB-1000
1250 µL	XF-1250	XR-1250	XRE-1250	XB-1250

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Oxford Lab Products

BenchMate®

Additional Products

Original BenchMate®
Pipette



BenchMate® L Single
Channel Pipette



BenchMate® E
Single and Multi Channel Electronic Pipettes



BenchMate®
Centrifuge Tubes



Digital Vortex Mixer
(VM-D)



Digital Plate Shaker
(S4P-D)



Microcentrifuge
(C8)



High Speed Microcentrifuge
(C12V)



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