



MERCK

unMatched comfort

In microbial testing
with the Milliflex Oasis® system



Millipore®

Preparation, Separation,
Filtration & Monitoring Products

COMFORT on every level:

The new Milliflex Oasis® system

Helping you work smarter

When your day-to-day tasks are under control, your mind is free for other activities. This is why we have taken time to closely observe your complete laboratory workflow to identify improvement areas and develop, hand-in-hand with users, a solution to simplify and secure your microbial testing process. Productivity, result reliability and regulatory compliance have been raised to premium levels.





The comfort of productivity

Productivity is a key challenge for QC laboratories who are focused on providing accurate results in shorter timeframes, and at a low cost. The new Milliflex Oasis® system is designed for laboratory efficiency. We have developed a myriad of innovative features that will boost your productivity.

Designed to your needs

- Fast hardware set-up and 50% faster filtration time (vs. previous Milliflex® product)
- Hardware scalability: attach up to three pumps and filter 6 samples with a single push of a button
- Fastest possible touch-free membrane transfer
- Barcode and detachable labels replace manual, time-consuming record keeping
- Reduced decontamination time and maintenance, no need for autoclaving







The comfort of reliability

You count on reliable results, so if an out of specification value is found, it is vital to quickly determine that the root cause is not in the QC laboratory. This led to a design that reduces the risk of both false positive and false negative results, while ensuring reproducibility for every analyst.

Unique features of both the pump, along with the Milliflex Protact® lid and tray protection help to prevent secondary contamination of samples:

- Operator independent
- Touch-free membrane transfer
- Perfect contact between the membrane and the media plate
- A check valve situated in the pump head stops contamination from backflow

Color-coded funnels, media plates and labels aid identification and minimize the risk of errors. The plastic of each type of media plate is also tinted: Blue for R2A, Green for TSA and Pink for SDA.

Filtering the correct sample volume can also be a challenge, but the Milliflex Azure® crystal clear funnel material with 360° level indicators ensures accurate volume filtration and sends every single drop of liquid to the membrane, so the entire volume is filtered through with ease.



The comfort of regulatory compliance

Being compliant with pharmaceutical regulatory agencies is a key topic for QC labs, to ensure accurate results and safe products for patients. Membrane filtration using the Milliflex Oasis® system reduces secondary contamination risks and maintains compliance with USP, EP and JP recommendations*. It also offers a low-binding PVDF specific membranes for samples containing anti-microbial agents.

The Milliflex Trace® feature brings data integrity to a higher comfort level for audits and investigations: the whole workflow is traceable with no need for traditional manual record-keeping.

- Labels with 2D Code on the packaging, on each funnel and each media plate: lot number and expiration date can be checked and recorded as mentioned in the USP<1117> microbiological best laboratory practices
- Detachable label on primary/secondary package for easy transfer to log books.
- Unique identification for each funnel and each media plate type (R2A-TSA-SDA).

*USP <61>; EP 2.6.12; JP 4.05 part 1 fully harmonized;
USP <1231> water for pharmaceutical purposes;
EP 1927 monograph water, highly purified;
EP 0169 monograph water for injections;
JP – general information
G8 water
Quality control of water for pharmaceutical use





The comfort of a complete service offering and rapid detection

Milliflex Oasis® Services

Our experienced scientists and engineers provide comprehensive services to ensure regulatory compliance as well as optimal testing workflows and equipment performance.

Reduce Your Lab Team Workload and Focus on Critical Activities

- Method development services: optimize or simplify your bioburden testing method for an easy validation and cost-effective testing
- Validation services: get your new Milliflex Oasis® pump up in running within a week
- Training services: certify your lab team to run a bioburden in optimal conditions
- Service plans: rely on your Milliflex Oasis® pump and minimize the risk of breakdown

SigmaAldrich.com/BioMServices-Bioburden

Milliflex® Quantum Rapid Detection System

Interested in a rapid method?

The Milliflex® Quantum system can reduce your time-to-result by up to one third compared to traditional methods, enabling faster release or corrective actions. It works perfectly with the Milliflex Oasis® system.

For more information visit SigmaAldrich.com/Quantum



Ordering Information

Description	Qty/pack	Article number
Filtration units		
Milliflex Oasis® 100 mL funnel, 0.45 µm white gridded, mixed cellulose esters (MCE) membrane	24	MMHAWG124
Milliflex Oasis® 250 mL funnel, 0.45 µm white gridded, mixed cellulose esters (MCE) membrane	24	MMHAWG224
Milliflex Oasis® 100 mL funnel, 0.45 µm black gridded, mixed cellulose esters (MCE) membrane	24	MMHABG124
Milliflex Oasis® 100 mL funnel, 0.22 µm white gridded, mixed cellulose esters (MCE) membrane	24	MMGSWG124
Milliflex Oasis® 100 mL funnel, 0.45 µm white plain PVDF Durapore® membrane	24	MMHVWP124
Milliflex Oasis® 250 mL funnel, 0.45 µm white plain, PVDF Durapore® membrane	24	MMHVWP224
Milliflex Oasis® rapid 100 mL funnel, 0.45 µm white plain, PVDF Durapore® membrane	24	MMHVVMFX24
Milliflex Oasis® funnel without membrane, growth promotion accessory	24	MMRECOVERY
Culture media		
Milliflex Oasis® R2A low nutrient media plates	48	MMSMCRA48
Milliflex Oasis® tryptic soy media plates for detection of aerobic and anaerobic flora	48	MMSMCTS48
Milliflex Oasis® sabouraud dextrose media plates for detection of yeast & molds	48	MMSMCSD48
Milliflex® cassette sabouraud dextrose agar (w/Chloramphenicol)	48	MXSMCSP48
Milliflex® cassette m-Endo agar for the detection of coliforms	48	MXSMEND48
Milliflex® cassette PCA agar for the detection of bacteria in water	48	MXSMPCA48
Milliflex® cassette cetrimide agar with naladixic acid for detection of P. aeruginosa	48	MXSMCET48
Milliflex® cassette TSA and lecithin agar for the detection of heterotrophic microorganisms	48	MXSMTLP48
Milliflex® cassette HPC agar media, for detection of stressed heterotrophic plate count bacteria	48	MXSMHPC48
Milliflex® cassette KF strep agar for the detection of fecal streptococci	48	MXSMKFS48
Milliflex® cassette PIA agar for the detection and recovery of P aeruginosa	48	MXSMPIA48
Mac Conkey Milliflex® agar for detection of lactose fermenting bacteria and coliforms	24	MXSMCMC24
Milliflex® empty cassette for agar media	120	MXSMC0120
Milliflex® empty cassette for liquid media	120	MXLMC0120
Hardware, accessories, spare parts and services		
Milliflex Oasis® filtration pump, body pump only - no filtration heads and no power supply	1	MMSYSTEMM2
Milliflex Oasis® power supply for one to three filtration pumps - Australia	1	MMPWRSPAUA
Milliflex Oasis® power supply for one to three filtration pumps - Brazil	1	MMPWRSPBR
Milliflex Oasis® power supply for one to three filtration pumps - China	1	MMPWRSPCN
Milliflex Oasis® power supply for one to three filtration pumps - Denmark	1	MMPWRSPDK
Milliflex Oasis® power supply for one to three filtration pumps - Europe	1	MMPWRSP EU
Milliflex Oasis® power supply for one to three filtration pumps - India	1	MMPWRSPIN
Milliflex Oasis® power supply for one to three filtration pumps - Japan	1	MMPWRSPJP
Milliflex Oasis® power supply for one to three filtration pumps - Switzerland	1	MMPWRSPSZ
Milliflex Oasis® power supply for one to three filtration pumps - United Kingdom	1	MMPWRSPUK
Milliflex Oasis® power supply for one to three filtration pumps - South Africa	1	MMPWRSPZA
Milliflex Oasis® filtration head	1	MMHEADMM2
Milliflex Oasis® filtration head gaskets replacement kit, including gaskets removal tool	5	MMGASKTMM
Milliflex Oasis® filtration head cover set	1	MMHEADCV1
Milliflex Oasis® drain tubing	1	MMDRNTUBE
Milliflex Oasis® internal flow sanitization kit, including one vacuum gauge	1	MMSANKIT1
Milliflex Oasis® internal flow sanitization gasket kit	5	MMGASKTSK
Milliflex Oasis® consumables for internal flow sanitization kit	24	MMSANSYFU
Milliflex Oasis® vacuum gauge for pump performance testing	1	MMGAUGEMM
Milliflex Oasis® electrical cable for connecting two pumps	1	MMCABLEMM
Milliflex Oasis® T connectors for tubings for connecting two pumps	3	MMTCNNECT
Milliflex Oasis® guides for electrical cable and tubing	20	MMTUGUIDE
Milliflex Oasis® membrane support removal tool	1	MMSUPREMV
Stickers and filtration head rings for customizing the Milliflex Oasis® pump	4	MMCUSTKIT
Milliflex® Quantum membrane transfer tool for Milliflex Oasis® system	1	MMHEADQU1
Milliflex® Quantum membrane transfer tool for Milliflex Oasis® gaskets replacement kit	5	MMGASKTQU
Milliflex® Quantum membrane removal tool for all Milliflex® and Milliflex Oasis® devices and media types	1	REMRACKMM
Customer validation protocol format A4	1	MM2PA4VP1
Customer validation protocol format letter	1	MM2PLTVP1

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The Life Science business of Merck operates as MilliporeSigma in the U.S. and Canada.

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