

13 March 2024

Supply constraints: sterile disc products with GN-6 Metricel® (MCE) membrane

Dear Valued Customer,

Cytiva will be discontinuing sterile membrane disc products containing GN-6 Metricel mixed cellulose ester (MCE) membrane due to supply issues. Effective 15 June 2024, Cytiva will no longer accept orders for the items listed in this notice.

The suggested alternatives are deemed the closest recommendations but there may be minor differences in packaging quantity and/or sterilization method. It is recommended that you evaluate the suitability of the suggested alternative in your individual application.

Sterile Membrane Product:

Discontinued, effective 11 JUN 2024		Suggested Alternative	
Item no.	Description	Item no.	Description
68121	Sentino Dispenser Pack, GN6 (MCE) membrane 47 mm 0.45 µm white gridded 1000 pack (5 @ 200/box) gamma irradiated	68121ME	Sentino Dispenser Pack, ME25 (MCE) membrane 47 mm 0.45 µm white gridded 1000 pack (5 @ 200/box) gamma irradiated
66539	GN6 (MCE) membrane 50 mm 0.45 µm white gridded 200/box, gamma irradiated, individually sealed pack	10406872	ME25 (MCE) membrane 50 mm 0.45 µm white gridded 100/box, EtO, individually sealed pack
66068	GN6 (MCE) membrane 47 mm 0.45 µm white gridded 1000/pack (5 @ 200/box), gamma irradiated, individually sealed pack	10406871	ME25 (MCE) membrane 47 mm 0.45 µm white gridded 1000/pack (10 @ 100/box), EtO, individually sealed pack
66191	GN6 (MCE) membrane 47 mm 0.45 µm white gridded 2000/box (10 @ 200/box), gamma irradiated, individually sealed pack	10406871	ME25 (MCE) membrane 47 mm 0.45 µm white gridded 1000/box (10 @ 100/box), EtO, individually sealed pack
66278	GN6 (MCE) membrane 47 mm 0.45 µm white gridded 200/box, gamma irradiated, individually sealed pack	10406870	ME25 (MCE) membrane 47 mm 0.45 µm white gridded 100/box, EtO, individually sealed pack
66265	GN6 (MCE) membrane 47 mm 0.45 µm white plain 200/box, gamma irradiated, individually sealed pack	10401670	ME25 (MCE) membrane 47 mm 0.45 µm white plain 100/box, EtO, individually sealed pack

Please consider evaluating the alternative items listed above that are manufactured with ME25 0.45 µm mixed cellulose ester membrane. ME25 membrane has been commercially available for 30 years for microbiology and environmental testing applications and is considered a suitable alternative to GN-6 Metricel membrane. To assist your decision to evaluate ME25, we have provided a comparison table to compare published specifications.

Membrane Comparison:

	GN-6 Metrice1	ME25
Manufacturing site	Pensacola, FL USA	Dassel, Germany
Membrane polymer	Mixed cellulose esters (MCE)	Mixed cellulose esters (MCE)
Test organism	<i>E. coli</i> ATCC 11229	<i>E. coli</i> WDCM 00179
Recovery performance	Meets global standards	Meets global standards
Gridline / toxicity	Dot pattern gridline does not inhibit nor enhance growth	Broken pattern gridline does not inhibit nor enhance growth
Pore size	0.45 µm	0.45 µm
Thickness, typical	152 µm (6 mils)	145 µm (5.7 mils)
Sterile packed	Gamma irradiated	EtO
Autoclavable	Yes	Yes
Water flow rate, typical	> 65 mL/min/cm ² @ 0.7 bar	12.5 s/100mL/12.5 cm ² @ 0.9 bar
Bubble point	minimum 1.8 bar	2.5 – 3.5 bar

Quality control testing methods for ME25 membrane follow the guidance of ISO 7704-2023. ME25 is tested using *E. coli* WDCM 00179 on CCA growth media as listed in ISO-7704. Each batch is rigorously tested for recovery performance and influences on growth and/or selectivity of the growth media as a system.

We regret the inconvenience this situation has caused. I thank you for your continued business and for choosing Cytiva as your supplier of choice. If you have specific queries about your order, please contact your Cytiva sales representative.

Yours sincerely,

Patricia Lee

Patricia Lee
Global Product Manager, Microbiology