

adaptiQ® tray

Ready-to-use pharmaceutical vials
for bulk-like fill-and-finish



- adaptiQ® tray provides pre-washed, depyrogenated, and pre-sterilized vials for your bulk filling line
- The tray avoids glass-to-glass contact of the vials, which are positioned neck-down for minimal handling steps
- adaptiQ® tray has equal lateral outer dimensions for all vial sizes (225 mm width x 381 mm length)
- Compliant with ISO 21882 “Sterile packaged ready for filling glass vials”



Minimized particle load



Compatible with all
SCHOTT Pharma ISO vials,
including speciality vials



Harmonized documentation
for all product combinations



Vials according
to ISO 8362-1



Compatible with all major
filling line vendors



Standardized processing
and continuous monitoring
facilitates EU GMP Annex I
compliance

Material data

Tubing	SCHOTT FIOLAX® clear Highly resistant Borosilicate Glass tubing (Type I)	First hydrolytic class according to EP, USP, and JP in its current version
Vial	SCHOTT FIOLAX® clear TopLine vials EVERIC® pure SCHOTT Type I plus® coating SCHOTT TopLyo® coating	Glass container: USP 660; EP 3.2.1; JP 7.01; and dedicated release test limit values for EVERIC® pure, SCHOTT Type I plus® and SCHOTT TopLyo®
Tray	Polymer suitable for EtO sterilization	Polymers according to USP <88> class VI (current version)
Tray insert	Polymer suitable for EtO sterilization	
Tray seal	Tyvek® – High-density polyethylene (HDPE)	
Bag	Industry-standard polymer foil with Tyvek® window (HDPE)	
Transport box	Akylux® – Corrugated polypropylene (PP)	

SCHOTT
PHARMA

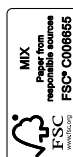
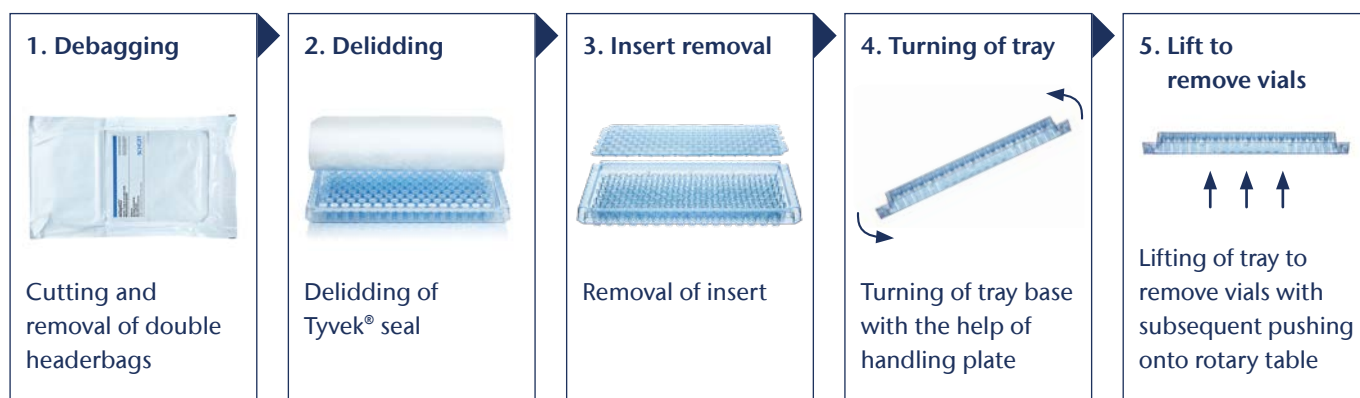
Sterilization and residuals

Sterilization method	EtO (Ethylene Oxide)	ISO 11135 "Sterilization of health-care products"
Sterility assurance level	< 10 ⁻⁶ ; Overkill approach Biological Indicators (EPCD) tested for every run	ISO 11135 "Sterilization of health-care products"
Endotoxines	< 0.25 EU/ml	Limit values according to ISO 11040-4, USP 1231, USP 85
Ethylene oxide	≤ 1 µg/ml	Limit values according to ISO 10993-7
Ethylene chlorohydrin	≤ 50 µg/ml	Limit values according to ISO 10993-7
Documentation creation	Certificate of processing review – parametric review	ISO 11135 "Sterilization of health-care products"
Documentation verification	Certificate of analysis (BI) – microbiological release	ISO 11135 "Sterilization of health-care products"

Storage and transport recommendations

- Temperature range for long-term storage (more than 60 days) is defined between 15–30 °C
- During transport, it is allowed to deviate from this requirement
- Storage should always be above the dew point
- Longer-term storage with exposure to sunlight is not allowed
- The goods should be stored in a normal warehouse environment (no contaminants in the atmosphere) with pest control in place
- Shelf life is five years from the date of production and certified in CoC
- Avoid mechanical stress throughout all process steps

Handling info



General ordering information

Quality level	TopLine									
Neck finish	Crimp									
Packaging	Akylux® boxes with 6–10 trays per box Single trays available for human-use									
Blowbacks	Non-blowback, European blowback									
Palletizing	A standard Euro Pallet (1,200 x 800 mm) contains 15 boxes of 6–10 trays each									
Formats	2R	4R	6R	8R	10R	15R	20R	25R	30R	50R
Pieces per tray	160	160	88	88	80	80	48	48	48	28

Many standard vial configurations are available in small quantities in our **Online Shop**. Speak to your local sales representative for more information.

adaptiQ[®] cup nest

Ready-to-use pharmaceutical vials for
nested processing



- adaptiQ[®] cup nest provides pre-washed, depyrogenated and pre-sterilized vials in a highly standardized nest configuration
- Easily use these vials on your ready-to-use filling line
- The cup nest eliminates glass-to-glass contact of the vials while allowing easy denesting
- The adaptiQ[®] cup nest has equal lateral dimensions for all vial sizes (199 mm width x 230 mm length) in a standard 3" tub
- Compliant with ISO 21882 standard "Sterile packaged ready for filling glass vials" with packaging dimensions harmonized to ISO 11040-7 "Prefilled Syringes"



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Material data

Tubing	SCHOTT FIOLAX [®] clear Highly resistant Borosilicate Glass tubing (Type I)	First hydrolytic class according to EP, USP, and JP in its current version
Vial	SCHOTT FIOLAX [®] clear TopLine vials EVERIC [®] pure SCHOTT Type I plus [®] coating SCHOTT TopLy [®] coating	Glass container: USP 660; EP 3.2.1; JP 7.01; and dedicated release test limit values for EVERIC [®] pure, SCHOTT Type I plus [®] and SCHOTT TopLy [®]
Nest	Polymer suitable for EtO sterilization	
Tub	Polymer suitable for EtO sterilization	
Seal & Inlay	Tyvek [®] – High-density polyethylene (HDPE)	Polymers according to USP <88> class VI (current version)
Bag	Industry-standard polymer foil with Tyvek [®] window (HDPE)	
Transport box	Akylux [®] – Corrugated polypropylene (PP)	

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PHARMA

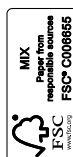
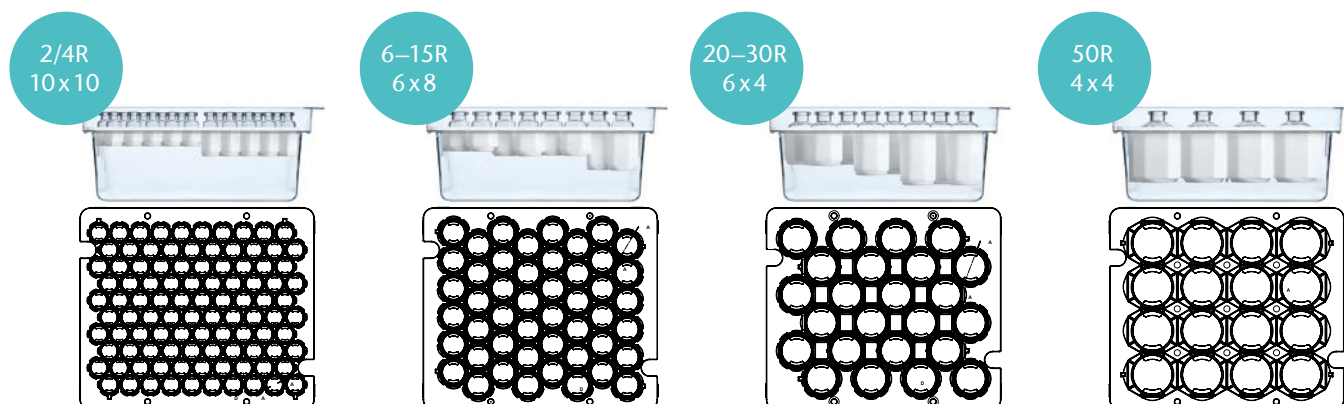
Sterilization and residuals

Sterilization method	EtO (Ethylene Oxide)	ISO 11135 "Sterilization of health-care products"
Sterility assurance level	< 10 ⁻⁶ ; Overkill approach Biological Indicators (EPCD) tested for every run	ISO 11135 "Sterilization of health-care products"
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- Storage should always be above the dew point
- Longer-term storage with exposure to sunlight is not allowed
- The goods should be stored in a normal warehouse environment (no contaminants in the atmosphere) with pest control in place
- Shelf life is five years from the date of production and certified in CoC
- Avoid mechanical stress throughout all process steps

Pitch pattern



General ordering information

Quality level	TopLine									
Neck finish	Crimp									
Packaging	Akylux® boxes with 15 nests per box Six nests are available for human-use applications									
Blowbacks	Non-blowback, European blowback									
Palletizing	A standard Euro Pallet (1,200 x 800 mm) contains 15 boxes of 15 nests each									
Formats	2R	4R	6R	8R	10R	15R	20R	25R	30R	50R
Pieces per nest	100	100	48	48	48	48	24	24	24	16

Many standard vial configurations are available in small quantities in our **Online Shop**. Speak to your local sales representative for more information.

adaptiQ® clip nest

Ready-to-use pharmaceutical vials for fully nested processing including lyophilization



- adaptiQ® clip nest provides pre-washed, depyrogenated and pre-sterilized vials in a highly standardized nest configuration
- Easily use these vials on your ready-to-use filling line
- The clip nest eliminates glass-to-glass contact of the vials while allowing fully nested processing, including lyophilization
- The adaptiQ® clip nest has equal lateral dimensions for all vial sizes (199 mm width x 230 mm length) in a standard 3" tub
- Compliant with ISO 21882 standard "Sterile packaged ready for filling glass vials" with packaging dimensions harmonized to ISO 11040-7 "Prefilled Syringes"



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Nest	Polymer suitable for EtO sterilization	
Tub	Polymer suitable for EtO sterilization	
Seal & Inlay	Tyvek® – High-density polyethylene (HDPE)	Polymers according to USP <88> class VI (current version)
Bag	Industry-standard polymer foil with Tyvek® window (HDPE)	
Transport box	Akylux® – Corrugated polypropylene (PP)	

SCHOTT
PHARMA

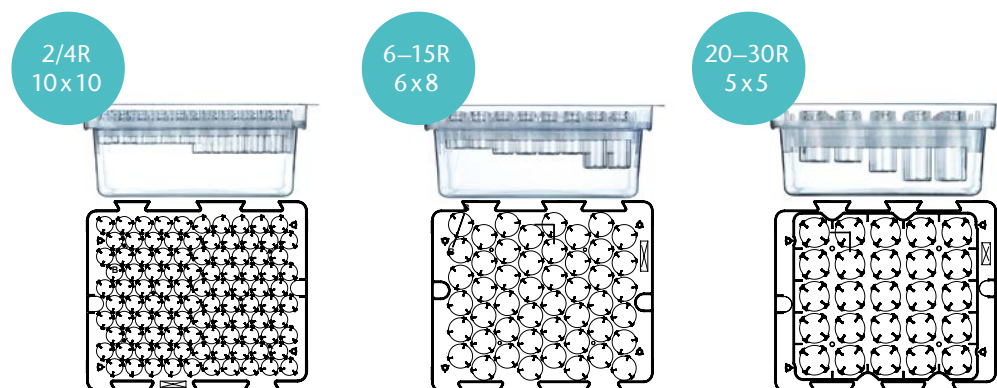
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- Temperature range for long-term storage (more than 60 days) is defined between 15–30 °C
- During transport, it is allowed to deviate from this requirement
- Storage should always be above the dew point
- Longer-term storage with exposure to sunlight is not allowed
- The goods should be stored in a normal warehouse environment (no contaminants in the atmosphere) with pest control in place
- Shelf life is three years from the date of production and certified in CoC
- Avoid mechanical stress throughout all process steps

Pitch pattern



General ordering information

Quality level	TopLine								
Neck finish	Crimp								
Packaging	Akylux® boxes with 15 nests per box Six nests are available for human-use applications								
Blowbacks	Non-blowback, European blowback								
Palletizing	A standard Euro Pallet (1,200 x 800 mm) contains 15 boxes of 15 nests each								
Formats	2R	4R	6R	8R	10R	15R	20R	25R	30R
Pieces per nest	100	100	48	48	48	48	25	25	25

Many standard vial configurations are available in small quantities in our **Online Shop**. Speak to your local sales representative for more information.