



# SURGICAL TAMPONADES: FOCUS ON PURITY

An extensive range of tamponades for all your procedural needs.

### D.O.R.C. PFCL Purity Standards:

- D.O.R.C.'s PFCL manufacturing method uses a proprietary and stringent production and purification process.
- These ensure removal of critical impurities (H-value  $\leq 10\text{ppm}$ , 1H-value (for Octane only)  $\leq 1\text{ppm}$ ).
- Verification of purity levels is confirmed using analytical methods specifically developed to detect critical impurities.
- Using independent analytical methods - sourcing of raw materials is continuously controlled.
- Deploying a multi-step purification process.

## EFTIAR Octane

- Specific gravity: 1,77 g/cm<sup>3</sup> at 20°C.
- Refractive index: 1,27 at 20°C.
- Viscosity: 1,4 mPas at 25°C.
- Boiling point: 101,3-106°C.
- Packaging: 1 vial of 5ml or 7ml.

## EFTIAR Decalin

- High interfacial tension to silicone oil.
- Specific gravity: 1,93 g/cm<sup>3</sup> at 20°C.
- Refractive index: 1,31 at 20°C.
- Viscosity: 5,53 mPas at 25°C.
- Boiling point: 140,4-142,4°C.
- Packaging: 1 vial of 5ml or 7ml.



### EFT-05-OCT

EFTIAR Perfluoro-octane, 5ml vial (Box/1, Sterile).

### EFT-05-DEC

EFTIAR Perfluoro-Decalin, 5ml vial (Box/1, Sterile).

### EFT-07-OCT

EFTIAR Perfluoro-octane, 7ml vial (Box/1, Sterile).

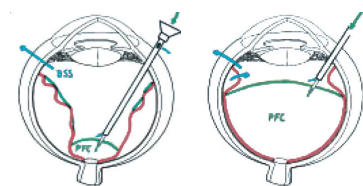
### EFT-07-DEC

EFTIAR Perfluoro-Decalin, 7ml vial (Box/1, Sterile).

## Indications for use

EFTIAR Octane and EFTIAR Decalin liquid is indicated for use as an intra-operative tool for temporary flattening and manipulation of the retina during surgical treatment of retinal detachment, in particular :

- Retinal detachment with giant tears.
- Retinal detachment with proliferative vitreoretinopathy.
- Traumatic Retinal Detachment.
- Luxated Lenses.
- Intraocular haemorrhage.



Retinal attachment with EFTIAR through EFTIAR Dual Bore needle.

EFTIAR has clear advantages:

- Maximized purity.
- > 99.999% fluorinated.
- Chemically inert liquid.
- Transparent, colorless and optically clear.
- Low refractive index.
- High specific gravity.
- Smooth flattening of a detached retina.
- Passive drainage of subretinal fluid.

### EFTIAR Octane and Decalin in prefilled syringe\*

- Easy-to-use syringe format with flange extender for easy handling.
- Avoids requirement for transfer from vial to syringe.
- Range includes both Octane and Decalin.
- Available in 5ml and 7ml format.



#### EFT-OCT5-S

EFTIAR Octane 5ml syringe (Box/1, Sterile).

#### EFT-DEC5-S

EFTIAR Decalin 5ml syringe (Box/1, Sterile).

#### EFT-OCT7-S

EFTIAR Octane 7ml syringe (Box/1, Sterile).

#### EFT-DEC7-S

EFTIAR Decalin 7ml syringe (Box/1, Sterile).

*"As surgeons, we need to have the safest possible liquids for our surgeries:  
ask a producer for a detailed certificate of purification."*

Marco Coassin, MD, Italy



\* Has the same specifications as EFTIAR in vials.

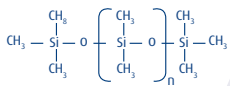
## SIL-1000 / SIL-2000 / SIL-5000:

The D.O.R.C. Silicone oil is a purified silicone oil which allows for a maximum interfacial tension and minimizes interactions between tissues, cells and endo-tamponades media. The physical properties include a combination of specific gravity, refractive index and surface tension. The choice of viscosity offers an optimum balance between easy injection and a stable temporary tamponade.

## SIL-1000 / SIL-5000 Silicone oil

- Viscosity: 1000-1500 / 5000-5900 mPas.
- Specific Gravity: 0,97 g/cm<sup>3</sup> at 25°C.
- Surface tension: 21 mN/m against air.
- Interfacial tension: 40 mN/m against water.
- Packaging: SIL-1000 / SIL-5000: 1 vial of 10ml.

### Formula



### SIL-1000

Silicone Oil, 1.000 csts, 10ml vial (Box/1, Sterile).

### SIL-5000

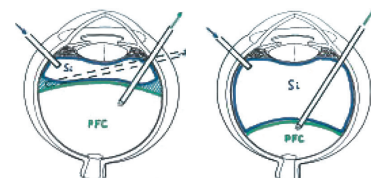
Silicone Oil, 5.000 csts, 10ml vial (Box/1, Sterile).

## Indications for use

D.O.R.C. SIL-1000/SIL-2000/SIL-5000 is indicated for use as a short or longer term tamponade of the retina. In particular, the primary indications for SIL-1000/SIL-2000/SIL-5000 are the surgical management of:

- Proliferative Vitreoretinopathy (PVR).
- Retinal Detachment caused by Trauma.
- Giant Tears.
- Diabetic Traction Detachment.
- Retinal detachment caused by Cytomegalovirus (CMV) retinitis.

A secondary indication of SIL-1000, SIL-2000 and SIL-5000 is the surgical management of ROP related traction detachments.



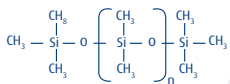
EFTIAR / SIL-1000 exchange procedure with passive aspiration through D.O.R.C. Backflush Brush needle.



## SIL-1000-S / SIL-2000-S / SIL-5000-S Silicone oil

- Viscosity: 1000-1500 / 1700-2300 / 5000-5900 mPas.
- Specific Gravity: 0,97 g/cm<sup>3</sup> at 25°C.
- Surface tension: 21 mN/m against air.
- Interfacial tension: 40 mN/m against water.
- Packaging: SIL-1000-S / SIL-2000-S / SIL-5000-S: 1 syringe of 10ml.

### Formula



### SIL-1000-S

Silicone Oil, 1.000 csts, 10ml syringe (Box/1, sterile).

### SIL-5000-S

Silicone Oil, 5.000 csts, 10ml syringe (Box/1, sterile).

### SIL-2000-S

Silicone Oil, 2.000 csts, 10ml syringe (Box/1, sterile).

*"Since D.O.R.C. launched their Silicone oil 2000, I have switched from the 5000 cSt silicone oil to the 2000 cSt. The main reason for switching is the fact that both - injection and extraction - are much easier and faster with the Silicone oil 2000."* Anne-Catherine Gribomont, Prof. MD, Belgium



### Composition and characteristics of OcuGas SF6:

OcuGas SF6 contains the colorless and odor-less gas sulfur hexafluoride (SF6) which is chemically and physiologically inert. OcuGas SF6 is provided as a kit consisting of two sets: a gas reservoir (set 1) and a mixing device (set 2). The complete kit allows an easy, quick and safe handling. Initial purity of SF6: 4.5 Decimal fraction (equal to 99.995% purity). OcuGas SF6 is used after a complete vitrectomy.

## OcuGas SF6

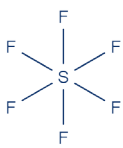
### Physical properties:

- CAS number 2551-62-4 .
- Density (20°C, 1 bar) 6,07 kg/m<sup>3</sup>.
- Density ratio to air: 5,125.

### OcuGas SF6:

- Single use - 100% SF6 ready for mixing.
- Non-pressurized gas container.
- Exterior sterility for optimised ease of use (USP to OcuGas range).
- Flexibility to create gas-air combination according to requirements of surgery.

### Formula



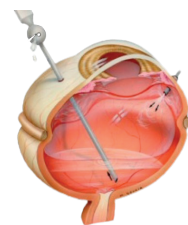
### GAS-SF6-S

OcuGas SF6 (Box/1).

## Indications for use

OcuGas SF6 is used as a mid-term tamponade after operative treatment of severe retinal detachment, particularly for:

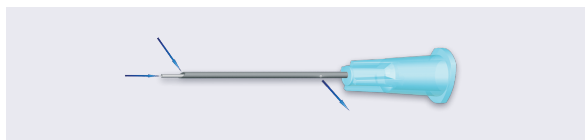
- Retinal detachments with giant tears.
- Retinal detachments without proliferation.
- Retinal detachments in case of proliferative diabetic retinopathy (pdr).
- Traumatic retinal detachments.
- Macular holes.
- Macular edema.



*Fluid-air exchange during vitreoretinal surgery*

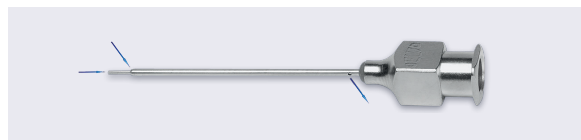
# Accessories for Ophthalmic Liquids

## Accessories for EFTIAR



### EFD.100

Disposable Dual Bore PFC Cannula.



### EFT.100

EFTIAR, dual bore cannula (20 gauge/0.9 mm).

EFD.06 EFTIAR Dual Bore cannula, 23 gauge/0.6 mm (Box/5, Sterile).

## Accessories for Silicone oil

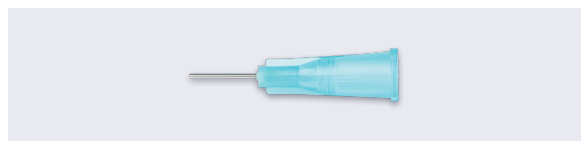


### 1362.VFE

High Flow Viscous Fluid Extraction.

Suitable for 20/23/25/27 gauge DORC Cannula Systems.

- Quick and safe removal of 1000 to 5000 cst silicone oil.
- New design tubing using maximum inner diameter of the cannula system.

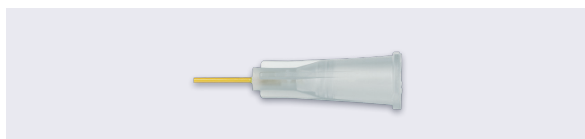


### 1272.HSE06

Disposable heavy silicon extraction cannula 23 gauge.

- Adapted specifically for Heavy Silicone Oil Removal.
- Longer cannula for easier removal of high density liquids.

*"This cannula (1272.HSE06) is the result of collaboration between D.O.R.C. and VR surgeons - showing how small product enhancements can make life easier for VR surgeons."* Andreas Mohr, MD, Germany



### 1272.VFI04 / 1272.VFI05 / 1272.VFI06

Disposable VFI Cannula, with 7mm (1272.VFI05 / 1272.VFI06) or 6mm (1272.VFI04) thin wall polyimide tip.



### 1363.DD

VFI Pack for Silicone Oil syringes.

1362.D Disposable pack for viscous fluid extraction.

1272.VFE20 Disposable Viscous Fluid Extraction cannula with 14 mm thin wall polyimide tip (20 gauge/0.9 mm).

1272.VFI20 Disposable viscous fluid injection / extraction cannula with 7 mm thin wall polyimide tip (20 gauge/0.9 mm).

# Accessories for Ophthalmic Liquids

## Accessories for Silicone oil

**1365 D.O.R.C.® VFI Adaptor** DORC VFI connector between DORC System & 1363.DD.

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**1366 Millennium® VFI adaptor** Millennium VFI connector between Millennium system & 1363.DD.

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**1368 Geuder® VFI adaptor** Geuder VFI connector between Geuder system & 1363.DD.

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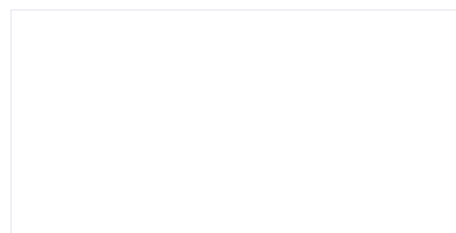
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