

## COLLAMER® ULTRAVIOLET-ABSORBING POSTERIOR CHAMBER THREE PIECE FOLDABLE INTRAOCULAR LENS

For the replacement of the human lens in the visual correction of aphakia

STAAR Surgical Company Quality System complies with ISO 13485:2003 and its CE Mark products comply with the Medical Device Directive 93/42EEC requirements

## DIRECTIONS FOR USE



TAAR Surgical Company 1911 Walker Avenue onrovia, CA 91016, U.S.A. Tel: (800) 352-7842 Fax: (800) 952-4923

CAUTION: Federal law restricts this device to sale by or on the order of a physician.

DEVICE DESCRIPTION.

STARS Support Collameré Diffraviolet-Absorbing Posterior Chamber Three Piece Foldable Intraccular Lenses Collamer 97 IOL) are available as biconvex optical lenses designed to be implanted in the cliary audicus or the capsular bag following extracaguair cataract extraction. The IOL can either be folded and inserted through an incision or injected using the recommended STARA Report and Cartridge. However, accommodation will not be replaced in the Cartridge Control of t

INDICATION The Collamer Ultray INDICATION

The Collamer Ultraviolet-Absorbing Posterior Chamber Three Piece Foldable Intraocular Lens es are generally indicated for primary implantation for the visual correction of aphakia in person 60 years of age or older in whom a cataractous lens has been removed by cataract extraction

## MODE OF ACTION When implanted, the Collamer 3P IOL replaces the natural lens of the eye and functions as a refracting medium in the correction of aphakia.

- PRECAUTION

  1. Do not attempt to resterilize the Collamer 3P IOL by any method as this can produce

  1. Do not attempt to resterilize the Collamer 3P IOL by any method as this can produce

  2. Do not stock for frise the intraocular lens with any solution other than sterile belainced salt solution or sterile normal saline.

  3. Do not stock the IOL in direct undright or at a temperature greater than 40° C. Do not auto-4. The IOL may take up to 24 hours to reach it's final optical power when in situ.

WARNINGS
Physicians considering IOL implantation under any of the following circumstances should weigh the

- Displaces considering OL Implantation under any of the following circumstances should weigh the potential sixblement frazio:

  1. Recurrent severe anterior or posterior segment inflammation or uveilis.

  2. Patients in whom the intraccular lens may affect the ability to observe, diagnose, or treat consideration of the consideration of the ability to observe, diagnose, or treat 3. Surgical difficulties at the time of cataract extraction which might increase the potential for complications (e.g., persistent beleefing, significant its damage, uncontrolled positive pres-port of the IoL is not possible.

  4. A distorted eye due to previous traums or developmental defect in which appropriate sup-port of the IoL is not possible.

  5. Excumstances that would result in damage to the endothelium ulning implantation.

  6. Circumstances that would result in damage to the endothelium ulning implantation.

  7. Children are not suitable candidates for intraccular lenses.

  8. Patients in whom neither the posterior capacite nor zonules are intact enough to provide support.

- 8. Patients in whom neither the posterior capsule nor zonules are intact enough to provide support.
  9. One or more indectomies at the time of IOL implantation may prevent the need for second any indectomies for pupillary block.
  10. Existence of: Corneal enotherial dystrophy, Glaucoma, Active chronic anterior or posterior uselts, Rubeosis indis, Synechiae and short anterior segment.

ADVERSE EVENTS
The Food and Drug Ar FERSE EVENTS
Food and Drug Administration has identified, as potentially sight-threatening, eleven (11) plications which may occur following cataract extraction and/or intraocular lens implantathen following is a summary of cases who completed the study (Cohort) and who were rated with these sight-threatening complications during the study of the Model CC4203VF

## Potentially Sight-Threatening Complications by Time Frame-Cohort Cases

	Time Frame (Form#)													
													Cumulative	
	Form 1 n=499		Form 2		Form 3		Form 4		Form 5		Form 6		Cases*	
Complication			n=461		n=474		n=457		n=383		n=502		n=	502
		96		96		96		96		96		96		96
Macular Edema	1	0.2	5	1.1	5	1.1	5	1.1	0	0.0	0	0.0	12	2.4
Iritis <sup>1</sup>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	1	0.2
Corneal Edema <sup>1</sup>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	1	0.2
Hyphema	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pupillary Block	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Secondary Glaucoma	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cyclitic Membrane	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vitritis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Endophthalmitis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Retinal Detachment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
IOL Dislocation	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

tive % is based on the ratio of the number of cases with any postop occurrence to the number of cases enrolled.

Reported as Mild or Greater. Only persistent reports of Iritis and Corneal Edema are defined as

the following rate for the model CC4204VF IOLs in the clinical study

Complication				Form 2 n=610		Form 3 n=639		Form 4 n=577		Form 5 n=482		Form 6 n=502		Cumulative Cases* n=685 <sup>2</sup>	
		96	. #	96	#	96		96	. #	96		96	. #	%	
Hypopyon	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Intraocular Infection	0	0.0	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	
Acute Comeal															
Decompensation	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	

Aspiration to Relieve														
Capsular Block	- 1	0.1	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	2	0.3
Removal/Replace IOL														
Due to Wrong Power <sup>1</sup>	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0	0	0.0	1	0.1
Remove IOL Due to														
Unresolved Optic Tilt1	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0	0	0.0	1	0.1

\*Cumulative % is based on the ratio of the num number of cases enrolled. <sup>1</sup>Same case had two IOL removal/replacements. <sup>2</sup>One patient deceased after Form 1.

As March 1, 2000, there were 686 implants and the or

Summary Findings of the Clinical Studies:
The Model CC4203VF IOL was found to be safe and effective at correcting aphakia after cataract removal in patients 60 years of age or older.

Description of the Clinical Trial
The clinical trial of the Model CC4203VF began on March 7, 1996. The study was designed to
determine the safety and effectiveness of the IOL in correcting aphasia after cataract removal.
The clinical study consisted of two phases. In the first phase, 125 cases were enrolled and
offertine whether the study should be allowed to expand into its second phase. The second
phase began on January 13, 1997 during which 561 additional cases were enrolled.

The clinical study design featured eventilement of eligible cases in a non-randomized fashion at 15 cilinical sites with their results companed to literature controls, namely the FDA 'Grief' of cast and surgery results. Criteria for inclusion in the study were male or female appliacy patients age 60 years or older who underwent primary cataracte extraction via phaceemulafication states successful circuite real metrior capabulory and the posterior capsule remained intact. Minimum scratches on the IOLs were noted after injection in 11 (2.1%) of the study cases which the Sponsor believes on the attributed for the investigators' learning curve with eading they use of this injector. All of these patients achieved Best Corrected Visual Aculty of 20/40 or better.

As of the date of database out-off, August 17, 1998, 502 of the enrolled cases had completed the study (the "Cohort"). Of the remaining 184 cases, 133 had reported enough interior examinations to thereise qualify for the Cohort but had not completed the Form 6 exam (12 months) by the date of the database out-off (Continuing group); 34 had discontinued from the study and were lost-to-follow-up (Lost-to-Follow-Up group) and 17 had deceased prior to completed on the Form 6 seam.

## Case Population Baseline (Preoperative) Demographic Characteristics of Study Cases

Best Spectacle Corrected Visual Acuity

The following is a summary of best spectacle corrected visual acuity results reported at the Form 6 or later (12 or more northall postoperative exam for the 336 cases who completed the clinical study as of the date of the database out-off.

# Best Corrected Visual Acuity at Form 6 or Later - Model CC4203VF IOLs Subjects without any Pre-Existing Ocular Pathology or Postoperative Macular Degeneration (n= 338)



STABILITY TESTING / SHELF LIFE STUDY.
A 2 year real time testing was done for Collamer IOL in Sml Vial and Tyvek pouch. The stu-niciated that the samples of Collamer CQ 2005 V. 3P IOL. Low, Medium and High Displer ranges in BSS media were used and the results indicated that the package termans abort for the storage of the Collamer IOL and the IOL desert Inhapp during the 2 year real time

Light Tra

DETAILED DEVICED DESCRIPTION
Optic:

Collamer  $95\%~\pm 5\%$  in the visible region of the light spectrum (400-750 nm); 10% transmission at 387 nm.

1.21 1.442 (35°C)

6.0 mm +10.5 to +30.5 3-Piece modified C-Loop, 5° angulation

Color Overall Diam



Model CQ2015A of the STAAR Colla mer IOLs are show



## INSTRUCTIONS FOR USE

INDITIONAL IDENTIFICATION

D. Preparation and Usage:

1. Prior to implantation, examine the IOL package for type, power, and proper configuration.

2. Open the peel pouch and remove the IOL in a sterile field.

3. Examine the lens thoroughly to ensure particles have not become attached to it, and exam ine the lens optical surfaces for other defects.

4. Hold the vial right-side up, carefully lift the metal tab away from you and then twist clockwise until the cape separates at the perforations. Continue to twist until the ring is released.

Using a pair of blunt forceps, remove the IOL from the vial. The IOL may be transferred into a container of normal saline solution or Balanced Stal Solution before insertion. The solutions of the priority of the IOL should not be exposed to a dry environment (as) to more than one mixture or mixture in transability.

6. Complete the Lene Accountability Form (Postcard) that is enclosed in the IOL box and mail to STAAR Surgicial.

7. STAAR recommends using only the MICROSTARA\* MS-PM, MS-TM injector with the OC carridge-PF delivery system to risent the Collams of PIOL in the folded state. The IOL is

STAAR recommends using only the MICROSTAAR® MSI-PM, MSI-TM injector with the CQ STAAR recommends using only the MICROSTAAR® MSI-PM, MSI-TM injector with the CQ Cartridge-FP delivery system to insert the Collamer 3P IOL in the folded state. The IOL is for single use only.

## <u>CAUTION</u>; Do not use IOL if package has been opened or damaged. The sterility of the IOL may have been compromised.

IOL POWER CALCULATIONS
The physician should determine preoperatively the power of the IOL to be implanted. IOL power calculation methods are described in the following references:

Physicians requiring additional information on IOL power calculation may contact STAAR Surgical Clinical Affairs Department at (800) 292-7902.

SURGICAL PROCEDURE
Proper Surgical technique is the responsibility of the individual surgeon. The surgeon must determine the sustability of any particular procedure based upon his or her medical training and experience.

PATIENT REGISTRATION
Each patient who receives a STAAR Surgical Company Collamer Ultraviolet-Absorbing Posterior Chamber Three Piece Foldable Intraocular Lens must be registered with STAAR at the time of IOL implantation.

Registration is accomplished by completing the Lens Accountability Form (postcard) that is en-closed in the IOL box and mailing it to STAAR Surgical. Patient registration is essential for STAAR Surgical's long-term patient follow-up program and will assist STAAR in responding to Adverse Event Reports and/or potentially sight-threatening complications.

An Implant Identification Card is supplied in the IOL package. This card must be given to the patient with instructions to keep it as a permanent record of the implant and to show the card to any eye care practitioner seen in the future.

REPORTING
Adverse events and/or potentially sight-threatening complications that may reasonably be regarded as IOL related and that were not previously expected in nature, severity or degree of incidence should be reported to STAAR Surgical at:

USA/Canada Phone: (800) 352-7842 Fax: (800) 952-4923

This information is being requested from all implant surgeons in order to document potential long-term effects on intraocular lens implantation.

HOW SUPPLIED
The Collamer SP IOLs are supplied sterile and in nonymogenic glass vials. The vials are sealed within a pouch and placed in a unit box with labels and product information. The pouch containing the vial of Collamer SP IOL is sterilized with steam and should be opened only under sterile conditions.

EXERCINON DATE
The expectation date in the IOL package is the sterility expiration date. In addition, there is a sterility expiration date. In addition, there is a sterility expiration date that is clearly indicated on the outside of the shell-pack. Sterility is assured if the beg seals or prouch and vid aleasts are not purctured or damaged until the expiration date. This IOL should not be implanted past the indicated sterility expiration date. The Collamer 99 IOLs are steams retirized (unclosured).

WASHING
STARR Surgical Collamer\* IOLs are packaged and sterilized for single use only. Cleaning, refurbishing and/or resterilization are not applicable to these devices.
If one of these devices were reused after cleaning, refurbishing and/or resterilization, it is highly probable that it would be contaminated and the contamination could result in endopthalmitis and inflammation.

## RETURN POLICY FOR STAAR IOLS

must be returned dry. Do not try to rehydrate Contact STAAR Surgical. The intraocular lens LENS (IOL) SPECIFICATIONS OF LIABILITY

STAAR recommends using IOL folding forceps or STAAR approved delivery syste implanting the Collamer 3P IOL in the folded state.

implanting the Collamer 3P IOL in the folded state.

WARRANT AND LIMITATIONS OF LIABILITY

STAAR Surgical Company warrants that reasonable care was taken in making this product.

STAAR Surgical Company waternot be responsible for any incidental or consequential loss, damage, or expense which arises directly or indirectly from the use of this product. Any liability shall be limited to the replacement of any STAAR Collamer IOL which is returned to and found to be defective by STAAR Surgical Company.

This warranty is in fise of and excludes all other warranties not expressly set forth herein, whether expressed or implied by operation of law or ortherwise, including but not limited to, any implied or merchantability of freese Stor (use.)

## STORAGE:

Store the Coll

WARNING: Do not attempt to resterlize nor repackage the IOL. Do not autoclave the IOL. Do not freeze Do not expose to temperature greater than 40° C. If temperature requirements are not met return IOL to STAAR Surgical.

## BIBLIOGRAPHY

Willis et al.: Opthalmic Surgery, Vol. 16, No. 2, February, 1985.
 Stark, W.J. et al.: The FDA Report on Intraocular Lenses. Ophthalmology 90(4):311-317.

Z. Statik, vs. 3 et al.: The PLA Report on initiational celeses. Opinitamiongly 90(4):311-317.

SYMBOLS GLOSSARY:

All symbols, titles and reference numbers taken from ISO 15223-1 Medical devices – Symbols to be used with medical device labels, labelling and information to be supplied – Part 1: General requirements. Consult instructions for use Consult instructions for use (5.4.3) STERILE Sterilized using steam
Sterilized using steam
(5.2.5)



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Authorized representative in the European Community Authorized representative in the European Community (5.1.2)

Manufacturer Manufacturer (5.1.1)

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Caution
Consult instructions for use for important cautionary information (5.4.4)