Meni-LAB 0.5%
For RGP trial lenses

Disinfection against Prions
Meni-LAB 0.5%

The first and unique cleaning, disinfecting* and prion inactivating**solution, specially designed for RGP trial contact lenses:

Menicon has been developing this new solution to propose to the fitters an efficient RGP disinfecting solution, not only active against bacteria, fungi, viruses, and Acanthamoeba (Conventional Transmissible Agents*), but also having proven ability for inactivating unconventional agents considering contamination risk with re-use of trial RGP contact lenses.

In practice, Meni-LAB is an easy to use procedure (for professional use only) (in association with MeniCare Plus multipurpose solution), effective in 5 minutes.

RGP TRIAL SET MANAGEMENT PROCEDURE

After C.L cleaning and rinsing with MeniCare Plus:

- Fill the lens vial with Meni-LAB 0.5% =5 minutes soaking
- Rinse the lens with MeniCare Plus at least 15 seconds
- Fill the lens vial with MeniCare Plus and store the lens

- Composition: Active chlorine solution qs 0,5% or 5 000 ppm of active chlorine
  Purified water . . . . . . . . . qs 100%

- Packaging: 250 ml

- Manufactured by Menicon Pharma CE 0483

- Distributed by Menicon Europe 104 Rue Martre -92583 Clichy cedex France

*Disinfecting tests: Antiviral efficacy (Université médicale de Nancy MDT, ref: CEN/TC 216/N 98, AFNOR NFT 72 -180); Antibactérial and antifungal activity (MENICON PHARMA ref: ISO / CD 14729 stand alone test); Anti-acanthamoeba activity (Institut de bactériologie, Strasbourg Medical University; Menicon co.,Ltd./microbiology and immunology department from Leicester UK).

** cf anti-prion activity (N°277111 report june 2002, C.E.A./SPI BIO/MENICON)
**Menicon 5 year’s research about Prion**

(References: Disinfection of gas-permeable contact lenses against prions J. Fr. Ophtalmol., 2003; 26,3: 233-239)

**NCTA Inactivation treatments evaluation:**

After 5 years of several and intensive researches conducted by the Neurovirology laboratory of the french CEA (Commissariat à l’Energie Atomique) leaded by Professor Dominique Dormont, with the partnership of SPI-BIO, Menicon Pharma and Menicon Europe,
the final results of the study 277131 were recently presented.

- Study sponsor MENICON Co. LTD
- Study performed by CEA  Project manager SPI-BIO
- July 2001-to May 2002
- “Evaluation of the efficacy of protocols for disinfection of rigid gas-permeable contact lenses through inactivation and/or removal of Transmissible Spongiform Encephalopathy (TSE, Prions) agents.”

In practice, the study demonstrates, by using 7 groups of Menicon care regimens, the efficacy of Sodium Hypochlorite solution containing a low concentration of active chlorine (less than 0.5%) in the inactivation against prion of grinded Menicon Z lenses contaminated by a laboratory TSE strain in 5 minutes.

Based on these results, the use after each trial of RGP lens of the now available Meni-Lab 0.5% solution alone or in association with MenicCare Plus can reduce an hypothetic prion contamination from 7.5 logs in 5 minutes as well as the referenced NaClO solution with 2% active chlorine in 1 hour.

Modalities of use in contact lens practice are under discussion with regulatory authorities.