

## Liquid nitrogen cryosurgery



EROND CRYO mini/maxi<sup>®</sup>  
...state-of-the-art cryosurgery



Combining our extensive experience with the most up-to-date design features we proudly present the EROND CRYO<sup>®</sup> series of cryosurgical treatment units providing out-standing performance in terms of safety, ease of operation and reliability. Further, the EROND CRYO<sup>®</sup> offers full compatibility with other popular liquid nitrogen units, i.e. spray apertures and contact probes for other systems may be used with the EROND CRYO<sup>®</sup> units as well.

## Method

Simplicity, high cure rate and reliability are keywords for liquid nitrogen cryosurgery as a well established and preferred treatment for various skin lesions. The treatment is associated with minimal pain, and none or minimal anesthesia is needed.

In cryosurgery a number of other coolants such as nitrous oxide, carbon dioxide and dimethyl ether / propane are used. However, these coolants do not reach temperatures below minus 90°C and can only be used for contact freezing. Further, some are environmentally unfriendly and introduce safety hazards.

Liquid nitrogen provides superior efficacy at minus 196°C and offers both spray and contact freezing. Also, liquid nitrogen is safe, friendly to the environment, and readily available from gas suppliers. The low temperature, the variety of accessories and the high cure rate combined with excellent cosmetic results and ease of operation makes EROND CRYO<sup>®</sup> liquid nitrogen cryosurgery the most versatile cryosurgical treatment available at a very low cost per treatment.

## Apparatus

The EROND CRYO is available in two sizes: **EROND CRYO<sup>®</sup> Maxi** with 500 ml capacity (20 - 24 hrs. static holding time) and **EROND CRYO<sup>®</sup> Mini** offering a 350 ml capacity (12 - 14 hrs. static holding time).

Each unit comes with a set of spray applicators for most common lesions (e.g. warts, small tumors etc.). Optionally, contact probes are available in various sizes. These probes are particularly useful to control the lateral spread of the freeze (e.g. near the eye or in the oral cavity). Contact probes are selected to fit the actual lesion, and they offer a deep freeze with minimal lateral spread.

## Applications

Cryosurgery using liquid nitrogen is the treatment of choice or an alternate method of treatment for many skin lesions including: verruca, basal cell carcinoma, actinic keratosis, lentigo, condyloma accuminata, cervical erosions, molluscum contagiosum, skin tags, naevus just to mention a few. More information can be found in published literature of which some are referenced on the reverse page.



As the leading European supplier of liquid nitrogen cryosurgical equipment offers a complete range of treatment units, accessories and storage tanks.





# Warranty & Approvals

EROND CRYO® units are covered by a worldwide three year guarantee against material and manufacturing defects.

## Accessory equipment

### Storage containers

Liquid nitrogen is stored in special superinsulated tanks, so-called dewars. EROND supplies such dewars in sizes from 5 - 60 l capacity and static holding time up to 350 days. To transfer liquid from the dewar to the EROND CRYO® unit the use of a withdrawal device is highly recommended. Our withdrawal devices are detachable, which means



no excess evaporation from the dewar, when the withdrawal device is not in use. Not only does this provide the most economical and safe extraction of liquid from the storage tank, the withdrawal device also provides a filter to prevent ice crystals in the dewar from being transferred to the EROND CRYO® unit ensuring trouble-free operation.

### Withdrawal devices



The withdrawal devices are fully adjustable and fit dewars of 10 l capacity and up. Transportation of dewars is facilitated by an optional roller base available for dewars of 20 - 60 l capacity.

### Roller base

Transportation of dewars is facilitated by an optional roller base available for dewars of 20 - 60 l capacity.



# Probes & Tips



Sharp pointed contact probe. Gold plated. E.g. small angiomas, molluscum contagiosum.



2 mm contact probe. Gold plated. E.g. small flat warts, lesions near the eye, trichiasis.



4 mm contact probe. Gold plated. E.g. flat warts, lesions near the eye, lentigines.



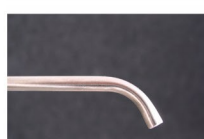
6 mm contact probe. Gold plated. E.g. flat warts, lesions near the eye, lentigines.



10 mm contact probe. Gold plated. E.g. squamous cell/ basal cell carcinoma, hemorrhoids.



20 mm contact probe. Gold plated. E.g. squamous cell/ basal cell carcinoma.



Bent spray. E.g. for lesions difficult to reach, perianal, rectal or vaginal condyloma.



Acne soft spray tip. For superficial desquamation, highly vaporized spray.



1 mm contact probe. Gold plated. E.g. small warts, angiomas, lesions near the eye, trichiasis.



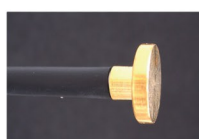
3 mm contact probe. Gold plated. E.g. flat warts, lesions near the eye, lentigines.



5 mm contact probe. Gold plated. E.g. flat warts, lesions near the eye, lentigines.



8 mm contact probe. Gold plated. E.g. flat warts, lesions near the eye, lentigines.



15 mm contact probe. Gold plated. E.g. squamous cell/ basal cell carcinoma, hemorrhoids.



30 mm contact probe. Gold plated. E.g. squamous cell/ basal cell carcinoma.



Straight spray. E.g. for lesions difficult to reach, perianal, rectal or vaginal condyloma.



Luer lock adapter. Allows attachment of accessories with luer lock fitting - e.g. disposable needles

manufacturer



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