

Options

# StoreX Liconel

**for Automated Incubators**

*Maximum Protection for  
your Samples*



Options

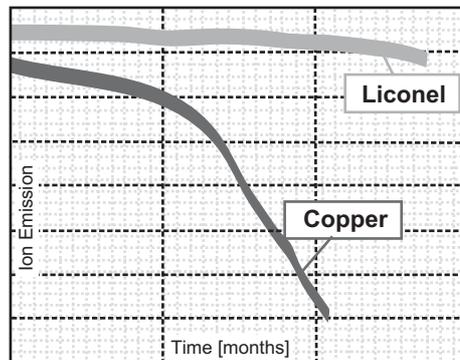
## StoreX Liconel for Automated Incubators

LowContamination, AntiContamination, GermeSafe, GerminationSafe, LowGermination

- Proven De-Contaminating Properties of Copper
- Very low Aging Effects (Oxidation)
- Long-Term Stability for True and Accurate Results
- Resistance at 4..50° C
- Coli, Fungi...

The new Liconel based StoreX Series is the market leading contamination prevention incubator family. Liconel technology combines the de-contaminating properties of copper ions with the advantage of extremely low aging effects as with stainless steel. This ensures long-term stability and will help your discoveries to be true and accurate.

**Cu<sup>++</sup> Ion Concentration over Time**  
Aging of Materials



### What is Liconel?

Liconel is an innovative material specially developed for the incubation chambers

Liconel is a material that prevents unwanted microbial growth while maintaining protection of probes

Liconel was specially developed for incubators with integrated handling

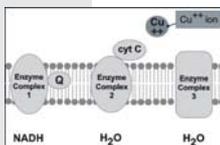
### How does Liconel Work?

- Liconel compared with copper
- Dissolved ions
- How ions affect species
- Fungi over bacteria

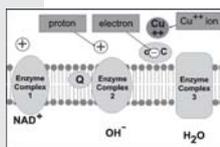
### Highlights of Liconel

- Self – decontaminating
- Non – toxic to probes and user
- High long term stability
- Simple maintenance

Liconel for ...	Order Nr.
STX40	9118 12 43
STX110	9131 05 11
STX220	9122 05 25
STX500	9132 06 20
STX1000	9136 05 11
STR44	9118 12 44
STR240	9143 01 97
STR602	9141 01 78
STF130	9150 00 64

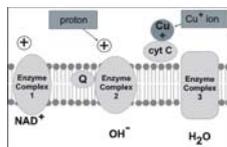


Normal situation with copper ion added



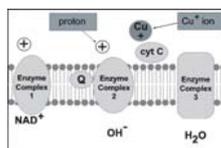
Protons are translocated across the membrane, from the matrix to the intermembrane space

Electrons are transported along the membrane, through a series of protein carriers

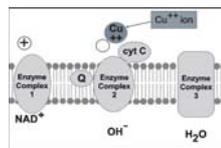


Double charged Cu<sup>++</sup> ions capture electrons from the cytochrome c complex and turn into single charged Cu<sup>+</sup> ions

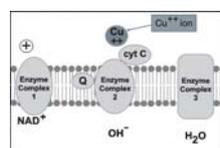
Watch interruption of electron transfer chain



The Cu<sup>+</sup> ions diffuse around to combine with protons



The Cu<sup>+</sup> ions are recharged by protons and convert back into a Cu<sup>++</sup> ions



Watch the original charge state of copper ions after charge transfer cycle

There is no "copper consumption" by the proper inhibition effect, the so-called "oligodynamic effect" (recycling of copper ions)