

## Disinfection of EasyCaps and Electrodes Against SARS-CoV-2 Which Disinfection Concentrate Can Be Used?

To make EEG recordings as safe as possible during the Covid 19 pandemic, a disinfection of the EEG equipment – electrodes and caps – will be required. Since regulatory rules for disinfection and availability of disinfecting agents vary from country to country, you will probably need to go with a disinfecting agent that is locally available. Preferably, the disinfecting agent should not harm the sensors, cable insulations, housings or cap fabric; and the agent should also be not potentially harmful for the user.

### RECOMMENDED:

- Sekusept Plus and Perfektan TB have been tested at Easycap, and are safe to use with our equipment (available in Germany)
- Preferred – due to user safety – are Aldehyd-free disinfectants (e.g. with QACs) like
  - Barbicide
  - Cavicide
  - Cavicide 1
  - Control-III
  - Envirocide
  - Supersteam Ultima
- Fine for the materials are also Aldehyd-based disinfectants like
  - Descoton forte
  - Cidex
  - Cidex-OPA
  - Metricide
  - Metricide OPA
  - Metricide 28

### NOT RECOMMENDED

- Disinfection with high levels of ethanol - alcohol levels should be below <20%
- Strong oxidizers or bleaching agents like hydrogen peroxide or sodium hypochlorite,, as those corrosive agents will speed up the deterioration of our products very quickly
- Simple surface or wipe disinfections, as those will not suffice to destroy everything in porous materials as in our equipment

For any other agents, please do not hesitate to send us a short request via email ( [support@easycap.de](mailto:support@easycap.de) )

## FURTHER INFORMATION AND PROCESSING INSTRUCTIONS REQUIREMENTS

SARS-CoV-2 is an "enveloped" virus, a virus that comes with a lipid envelope. This lipid envelope can usually be destroyed rather easily. For disinfecting agents, this equals to „low-level“ disinfection. „Intermediate-level“ or „high-level“ disinfection will of course be even more effective, and may be asked for by your local guidelines (e.g. in items that may also come into contact with nonintact skin).

- Please first clean the equipment, removing gel rests etc.
- Please make sure that sensors will not get into contact with metal, neither directly or via salt water/gel: use plastic or ceramic dishes/sinks.
- Please always follow the respective instructions for use – minimum solution, soaking time - stated for low-level disinfection in your disinfectant, in order to kill enveloped/lipid viruses. (if requested, go for „intermediate“ level of disinfection (as against e.g. Norovirus, Rhinovirus)
- PLEASE always rinse thoroughly after disinfection procedures, and let dry.

Official guidelines on prevention of SARS-CoV-2 may vary across countries and institutions, so please check your local guidelines or follow local hygienic department recommendations if available. Please also care for your personal protection and hand hygiene:

<https://www.cdc.gov/coronavirus/2019-ncov/community/organizations/cleaning-disinfection.html#How%20to%20Clean%20and%20Disinfect>

**Useful hints how to organize the entire lab-flow of EEG research for reducing COVID-19 transmission risk in EEG research can be found in**

*Announcement* <https://erpinfo.org/blog/2020/6/20/covid-19-protocol>

*Protocol* <https://protocolexchange.researchsquare.com/article/pex-974/v1>

**Stay Healthy – Your Easycap Team**