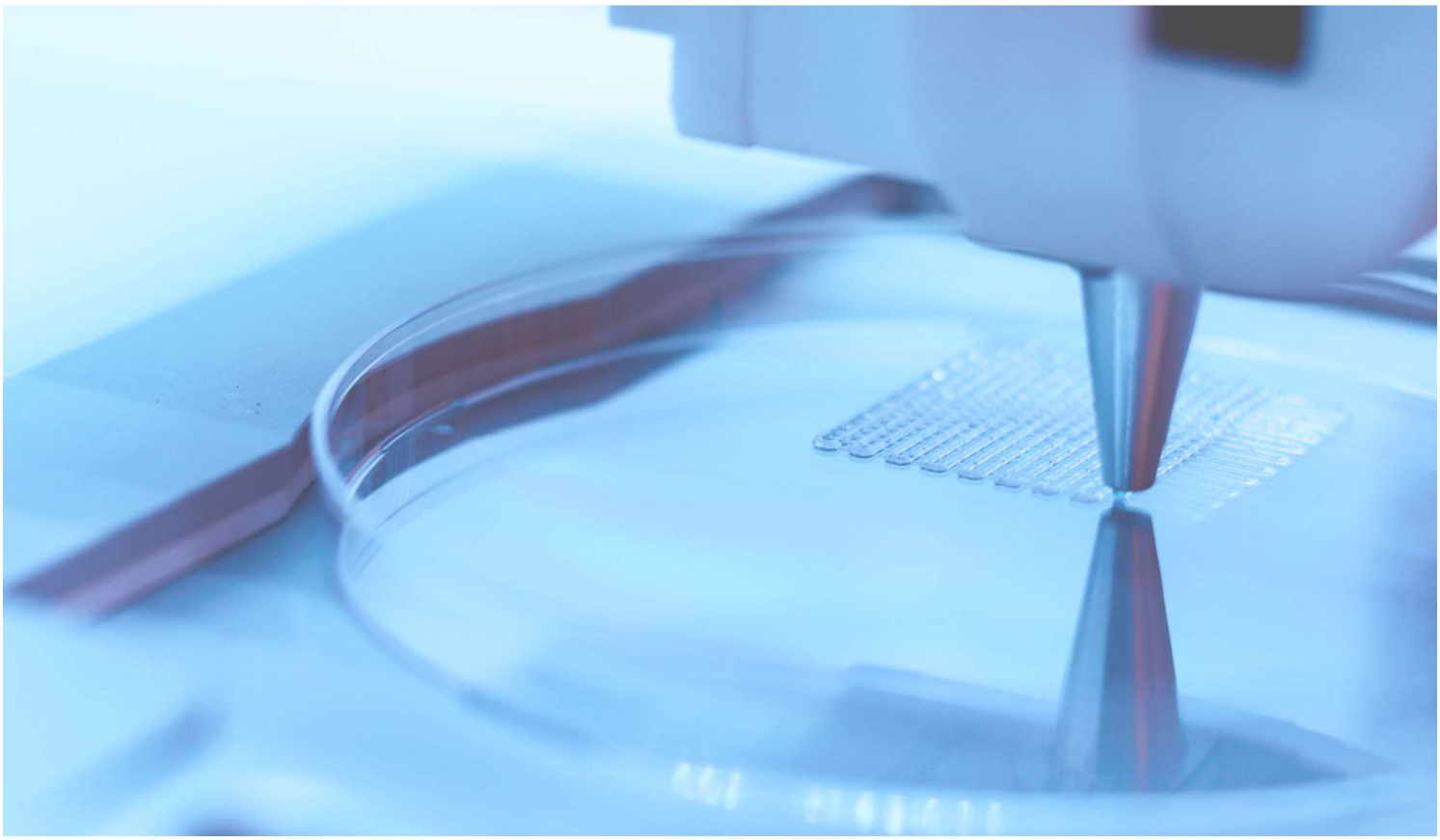
BIOINX®



User Guidelines for

BIORESINX© X100

BIORES INX© X100

General Information

Storage

BIORES INX© X100 should be stored in a fridge until ready to use. Protect it from light. Handle in sterile environment. Expiry date is indicated on the tube and/or the sealed pouch. The product can be stored for a maximum of 3 months after opening and should be consumed before the expiry date.

Intended Use

Research use only. This product is not intended for use in diagnostic or therapeutic procedures.

Safety Information

Use suitable personal protective equipment. For more information, please refer to the material safety data sheet.

Preparation Instructions

⚠ BIORES INX© X100 was **produced under sterile conditions**. To ensure optimal performance and prevent contamination, it is recommended to handle the product in a sterile environment.

BIORES INX© X100 can be used for printing at room temperature without the need for preheating.

Processing Instructions

Apply a suitable amount of BIORES INX in the VAT. Recommended printing parameters are listed in Table 1.

Table 1. Recommended parameters for printing BIORES INX© using a DLP printer

Wavelength	405 nm
Intensity	20 mW/cm^2
Layer Height	50 µm
Layer Exposure Time	10 – 12 s
Temperature	Room temperature

⚠ The structure typically experiences an average volumetric shrinkage of 33% after post-processing. Please account for this shrinkage when designing your models for 3D printing.

Post-Processing Instructions

1. Wash the printed structure in warm PBS (37 °C) for approximately 5 minutes.
2. Refresh PBS. While keeping the structure immersed in PBS, expose it to light (wavelength: 300 – 405 nm, intensity: 10 mW/cm²) for approximately 30 minutes to complete the crosslinking reaction.
3. Refresh PBS and keep the structure immersed for at least 1 hour.
4. Refresh PBS again and store the structure in PBS in a fridge until further use. Ensure the sample remains hydrated and avoid drying.

Cell Culture

The scaffolds can be readily seeded with cells without the need of additional coating.

If the samples were not printed under sterile conditions, they can be sterilized by exposure to UV-C for 2h.