

Corning® Matribot® Bioprinter Demonstration Equipment

CORNING

Quick Start Guide

What you need to know to get started with your demonstration

All information and documents can be found at www.corning.com/matribotguidelines.

Refer to the [Corning Matribot Bioprinter Demonstration Equipment Instructions](#) (CLS-AN-670DOC) which provides information on the unpacking, repacking, and returning of the Matribot Bioprinter. Please note that the return shipping label is included in the consumables supply box. Please keep this for the return of the unit.



Scan the QR codes below to access the following documents:

Corning Matribot Bioprinter Instruction Manual



For detailed instructions, refer to the Corning Matribot Bioprinter Instruction Manual (CLS-AN-641DOC).

Download Corning Matribot Bioprinter Software – Corning DNA Studio



Corning DNA Studio software enables the management of experimental design and bioprinting by adjusting several parameters to optimize dispensing volumes and printed structures.

Corning Matribot Bioprinter Parameters



These parameters, located in the Printhead tab in the Corning DNA Studio, are explained in detail for both Droplet Dispensing and Bioprinting projects. This document also includes illustrations demonstrating how adjusting these parameters can resolve common printing issues (CLS-AN-648).

Demo Protocols and Videos can be accessed by following scanning the QR codes below.

PDF



Video



PDF



Video



PDF



Video



PDF



Video



Protocol 1: Mimicking Corning Matrigel® matrix dispensing into 96-well microplates using Corning Pluronic sacrificial ink.

Protocol 2: Mimicking Corning Matrigel matrix dispensing for droplet arrays in 24-well plates using Corning Pluronic sacrificial ink.

Protocol 3: Printing in a dish using Corning Start sacrificial ink.

Protocol 4: Mimicking Corning Matrigel matrix printing in a dish from an SD card using Corning Pluronic sacrificial ink.

How to Return the Corning® Matribot® Bioprinter

Please follow the complete instructions (pages 4 to 7) in the [Corning Matribot Bioprinter Demonstration Equipment Instructions](#) (CLS-AN-670DOC).

Summary:

- ▶ At the end of the last experiment, before returning the bioprinter, use the knob to select Prepare Bioprint and select Home Axes. This returns the printbed and printhead to the home position. Then, navigate to the Utilities menu and confirm that SD print is not enabled.
- ▶ Clean the Corning Matribot bioprinter according to the instructions (page 4) using >70% (v/v) ethanol. Spray the surface, and wipe with a soft cloth while wearing gloves to avoid direct contact with the unit.
- ▶ Repack the Matribot Bioprinter according to the instructions (pages 4-6).
- ▶ The return shipping label is included in the consumables box. Please attach this to the shipping box once packaged.
- ▶ Please inform your local Corning Representative the demo has been completed and the Corning Matribot bioprinter is being returned.

For any questions, please contact a Corning representative.

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