Welcome to Allevi!

3D bioprinting is a technology that's transforming the fields of biology, regenerative medicine, and pharma. Now, that technology is in your hands and we're very excited to see what you do with it!

Here at Allevi, we want to get you printing as quickly as possible. In this folder, we have all the basic designs and files that you'll need to start doing your 3D bioprinting research.

Follow the User Manual in setting up your printer and your software. Ready to print? We are too! You can find video instructions for "My First Bioprint" below:

- Allevi 2

Helpful links:

Allevi Support Page/FAQ: https://allevi3d.com/customer-support
Frequently asked questions for all our printers, although with a form for contacting the Support Team. You can also email support@allevi3d.com or gmontoya@allevi3d.com.

Allevi Build With Life: https://allevi3d.com/build-with-life/
Online repository of Allevi bioprinting knowledge. Here we post protocols, guides, Allevi-based publications, and more! We're always adding more content. Have a specific request? Let us know!

Allevi YouTube Channel: https://www.youtube.com/channel/UCVdo_7ZDwcvD9QxeiOQFYPg
Here you'll find videos of sample prints, how to do procedures, customer highlights, and more! We're continuously adding new videos, so let us know if there's anything you want in particular.

Reagent Development for Bioprinting
The Allevi is a versatile printer capable of printing with a wide array of materials and cells types. In addition to pre-optimized materials, many users also apply their own reagents with the Allevi. Below is an overview of reagent development used by the research team at Allevi. This general development process can be followed when developing a new material for use with the Allevi 1. Reagent development is split into two processes: viability testing and print parameters. These processes are completed in parallel to determine print parameters and develop a bioprinting control for future studies with the new material.
https://allevi3d.com/build-with-life/2018/3/26/reagent-development-for-bioprinting

Reagent Development: Print Parameters
The Allevi 2 is a versatile printer capable of printing with a wide array of materials and cells types. In addition to pre-optimized materials, many users also choose to use their own materials with the Allevi. Below offers users a step-by-step guide to easily develop print parameters with the Allevi 2. In addition

to print parameters, viability testing should also be completed with new materials to test toxicity and create 3D printed controls for experiments.
https://allevi3d.com/build-with-life/2018/3/23/reagent-development-print-parameters

Guide to Understanding Gcode

As the intermediate between STL models and a bioprinted model, gcode holds a lot of importance but often isn't understood well. Being able to read gcode is the first step to troubleshooting your models more effectively and gaining a better understanding of your bioprinter.
https://allevi3d.com/build-with-life/guide-to-gcode