**CHEMYX Syringe Pump MATLAB Instructions**

To send commands to your CHEMYX syringe pump using a simple MATLAB script, follow these steps.

1. **Install MATLAB**
   1. **Basic Installation**
      1. Get MATLAB from <https://www.mathworks.com/products/matlab.html>
      2. Software was tested on MATLAB v.R2020a
2. **Run “singlestep.m” in MATLAB.**
   1. Baud rate in script must match value of the syringe pump, which can be found and changed in “System Settings”
   2. Parameters can be modified according to required experiment specifications.
3. **Disconnect from Pump**
   1. After running the script, serial connection will remain open until the connection object is cleared.
      1. Set “conn=[]” to reset connection.
      2. Alternatively, closing MATLAB or unplugging Syringe Pump from USB port will also close the connection.