

ChiraScan Protocol

Sample suggestion

Scanning range: Far UV (<250 nm)

Cuvette: 0.05 cm path length

Suggested concentration: 0.2- 0.5 mg/mL, volume: 100- 150 μ L

Scanning range: >250 nm

Cuvette: 1 cm path length

The suggested OD is between 0.5-1

Turn on the Hardware

Turn on the nitrogen cylinder

Check the delivery pressure is above 50 Psi and tank pressure is above 500 Psi.

Turn on the lamp power supply and system (The lamp is not on at this step. The lamp and nitrogen flow are controlled by the software)

Turn on the water circulator

Turn on the temperature controller

Software

Open ANMS

Click the ignite sequence button. The nitrogen will flush the system for 20 mins before turning on the lamp.

Open ChiraScan

Set up the experimental parameters

Open Data ProViewer

Set up the directory folder by clicking "setting the directory folder", or the files will be saved in the previous directory folder.

Turn off the system

Turn off the lamp and nitrogen from the ANMS software. (Do not directly turn off the lamp from the lamp button)

Turn off the water circulator

Turn off the temperature controller

Turn off the system and lamp from the instrument

Close the nitrogen cylinder