

H. START PROCEDURE

- Before starting procedure, confirm the following:
  - Hospital's Procedure Checklist completed
  - The SurgiChem monitor is outside of Operating Room
  - Protocol settings are correct
  - All personnel have exited the Operating Room
- To start procedure, press **{Ready}** (**Figure H-1**) followed by **{Inject}** on monitor (**Figure H-2**)

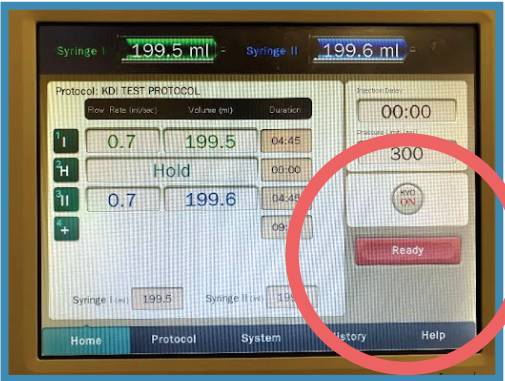


Figure H-1

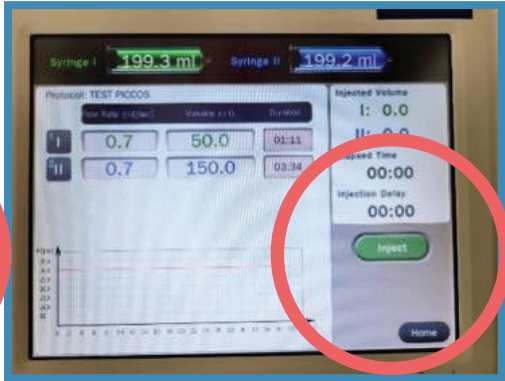


Figure H-2

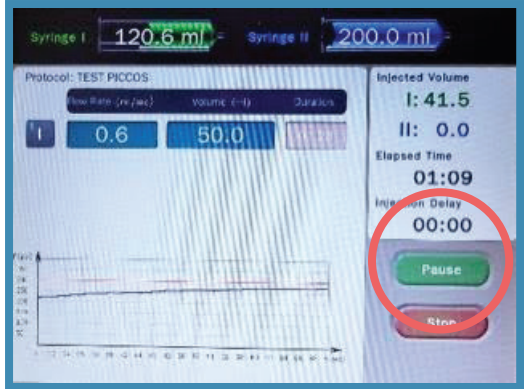


Figure I-1

I. DURING PROCEDURE

- Monitor the patient
- Monitor the video delivered by the laparoscopic camera
- Observe SurgiChem monitor
- Do not allow the maximum pressure to be exceeded.
- If the pressure approaches maximum, press the **{Pause}** button on monitor (**Figure I-1**)

J. CASE COMPLETION, DISPOSAL AND CLEANING

- Follow hospital protocol prior to re-entering the operating room
- Once the procedure is complete the SurgiChem syringes, HurriChem Device Kit (including camera sleeve) will remain connected
- The HurriChem device will be passed off the sterile field.
- Remove the syringes by twisting 90° counterclockwise then pulling out
- Dispose of items in chemo waste bin according to hospital protocol
- Press the **[Autofill]** button on the injector to move the piston rod to the fully retracted position
- Power down monitor and injector
- Disconnect power cables
- Clean the SurgiChem according to the user manual and hospital guidelines



A. POWER ON SURGICHEM

- Injector Arm: On the rear of the base, turn on the power switch (**Figure A-1**)
- Monitor: On the rear of the monitor, connect power cord into the 12V port and turn on the power switch (**Figure A-2**)

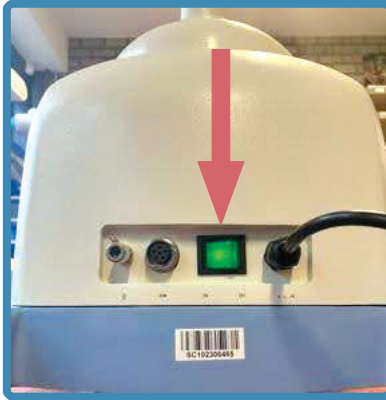


Figure A-1



Figure A-2

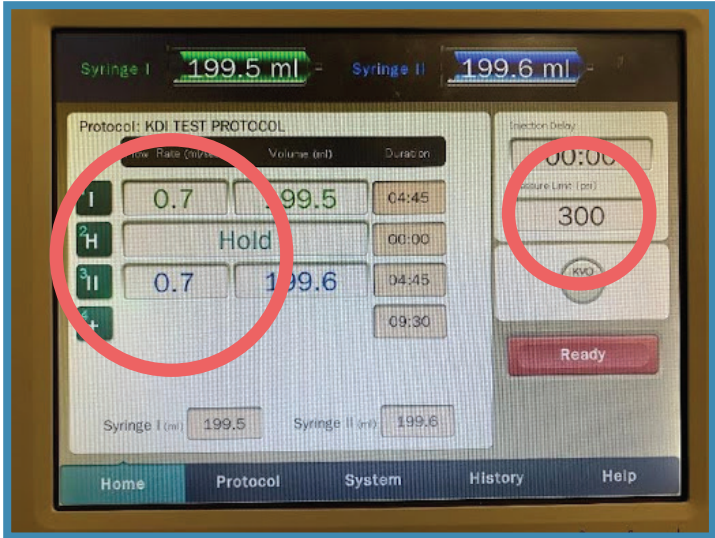


Figure B-1

B. INJECTION PROTOCOL RECOMMENDATIONS

- The Physician will establish the injection protocol
- Follow User's Manual to input physician's injection protocol on monitor
- Set Flow Rate for both syringes to 0.7 ml/sec
- Set Pressure Limit to 300 psi (**Figure B-1**)
- To choose a SAVED Protocol: On the home screen, press **{Protocol}**, then press **{Recall}** and then choose a protocol, then press **{Select}**

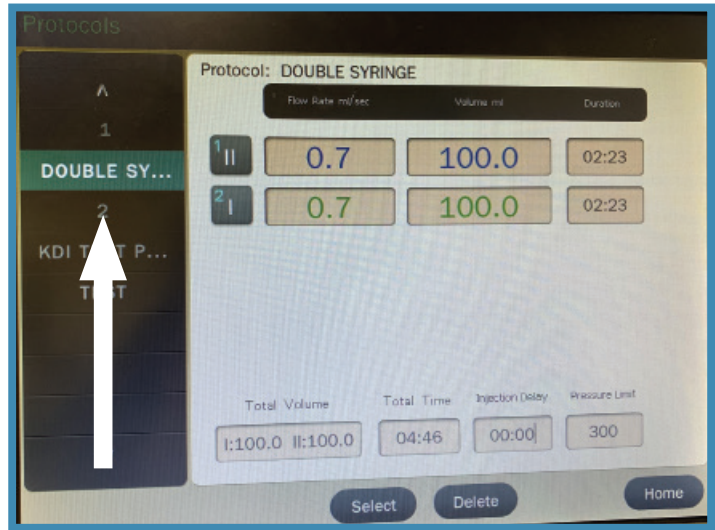


Figure B-2

**Note:** Follow User's Manual to input Parameter settings and save/modify protocols (**Figure B-2**)



C. INSTALL SYRINGE

- Orient the injector arm to vertical position (**Figure C-1**)
- Ensure the piston rods are fully retracted. If not fully retracted, press the **[Autofill]** button to retract piston rod (**Figure C-2**)
- The RFID tag on the base of the syringe must be aligned with the injector arm membrane panel (front). Insert syringe and rotate 90° clockwise (**Figure C-3 and Figure C-4**)



Figure C-2



Figure C-3

RFID

Figure C-4

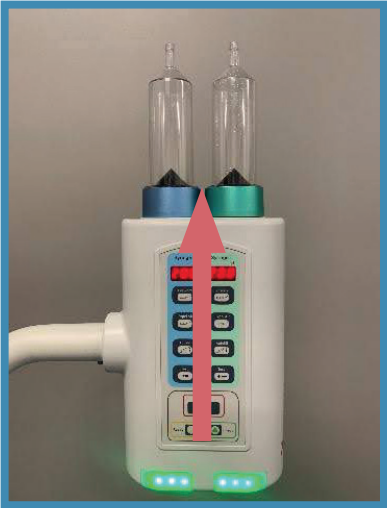


Figure C-1



Figure D-2

D. CONNECT TRANSFER SET

- Open up Transfer Set package (**Figure D-1**)
- Connect three-way valves to syringes (**Figure D-2**)
- Clamp each spike line on the Transfer set



Figure D-1



E. FILL SYRINGE

- Move each piston rod to fully extended position by pressing **[Forward]** button on the injector for each syringe (**Figure E-1**)

Filling syringe manually:

- Connect the pharmaceutical bags using the Transfer Set spikes and unclamp each line on the transfer set
- Press and release **[Autofill]** button on injector. There will be one audible beep and syringe plunger will retract to draw fluid
- Press **[Stop]** when desired amount of fluid reached
- Do not exceed intended fluid amount
- **Clamp fluid line to pharmaceutical bags**



Figure E-1



Figure F-1

**NOTE:** If **[Autofill]** button is held for more than 2 seconds, there will be a second audible beep and syringe plunger will retract and draw a pre-determined fluid volume found on the Monitor in **{System}→{Parameter}→{Autofill Volume}**.

See User's Manual for details

F. ATTACH HURRICHEM DEVICE KIT

- Prior to connection to SurgiChem, prepare HurriChem according to HurriChem IFU
- Attach HurriChem high-pressure tubing to Transfer Set tubing (**Figure F-1**)

G. EXPEL AIR FROM THE SYRINGES

- Press and hold **[Expel Air]** on injector until the air is evacuated from the syringe. Release **[Expel Air]**
- **Note:** Air can remain in Transfer Set and HurriChem tubing
- **Note:** Avoid sending any chemo into the patient during these steps
- Repeat process for second Syringe
- Pressing and releasing **[Expel Air]** for each syringe is required. System will not allow treatment until **[Expel Air]** button has been pressed for each syringe
- Orient the injector arm to fully down position (**Figure G-1**)
- A chemo waste bin should be positioned beneath the syringes
- Volume settings on the monitor should be adjusted to the desired treatment volume but not more than the readings on the colored syringes at the top of the screen. (**Figure G-2**)



Figure G-1

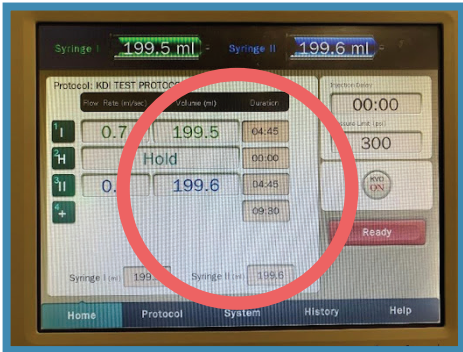


Figure G-2