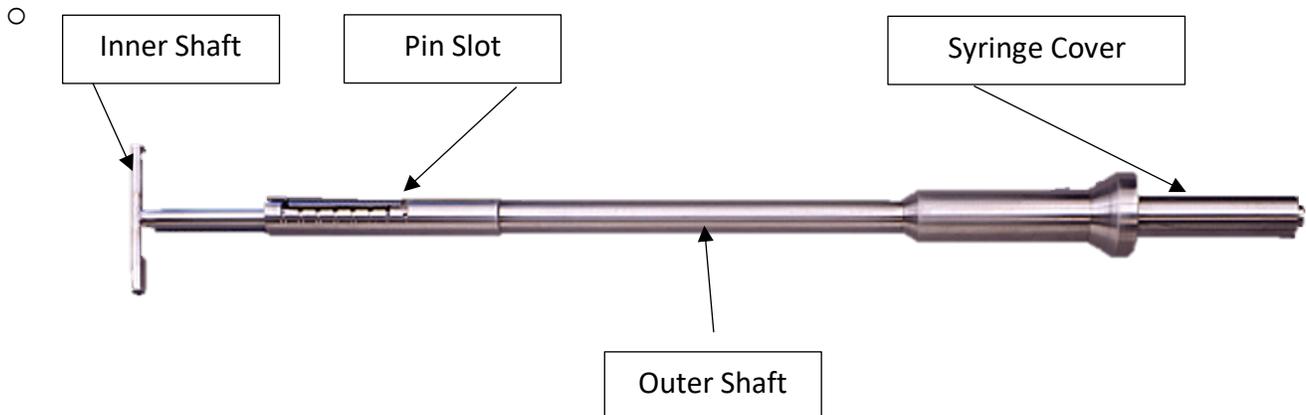


**STANDARD OPERATING
PROCEDURE UNIT-DOSE LIQUID
SAMPLER UD-DOSER 675 5020A**

Date: 04/2021

Revision: 4

- Confirm all components of the sampler are intact and in proper working order.
 - This sampler includes the inner shaft, outer shaft, syringe cover and internal syringe holder.
 - There should be no defects including burrs, bends or damaged edges
 - The locating pin should be securely in place just below the handle.
 - Each of the demarcation slots with the cc sample size should be clear and the pin should move freely.



- Disassembly of the sampler:
 - Gently unscrew the stainless steel syringe holder at the bottom of the sampler.
 - Inside there is a small, slotted piece to hold the plunger part of the syringe.
 - Unscrew this from the inner shaft.



- Once the syringe holder is unscrewed, slide the inner shaft from the outer shaft.
- The sampler is now disassembled.
- Repeat the steps above in reverse to reassemble the sampler.
- Using in-house approved cleaning methods, clean all parts of the sampler
 - Re-check the sampler for any defects; most damage occurs during the cleaning process.



- Using the PVC Stand, place the inner shaft on the set of holds closest to you and the outer shaft on the back holders.



- Place the plunger head (the top the syringe with tabs, into the syringe holder, by sliding the tabs into the lip.
- Slide the syringe cover over the syringe and screw to the outer shaft to secure into place.
- Insert the sampler into the liquid at the desired depth according to company protocol.
- Stop at desired sampling location.
- Hold the outer shaft with your non-dominant hand.
- Use the other hand to gently pull the inner shaft with the pin to the desired sample size. The demarcations on the sleeve match those of the syringe.

- Once the desired sample size is reached. Turn the handle slightly to secure the pin in the corresponding CC slot.
- Remove the sampler from the batch, wipe the sampler per protocol and return to the PVC stand.
- Once secure, remove the syringe cover by unscrewing it from the outer shaft
 - The syringe and sample will be visible.
- Without compressing the plunger, slide the syringe from the holder and follow company protocol for the sample.
- The sample may also be extracted by dispensing the sample from the syringe into a sample bottle without removing the syringe from the sampler.
- Once sampling is complete, clean the sampler per stainless steel tool cleaning procedures.
- The syringes are disposable and should not be reused.
- For any issues, please contact our team at sales@qclabequipment.com