Addendum to ColorQuest XE, UltraScan Vis and UltraScan Pro User's Manual

Description

This CMR provides an adjustable holder for small volume Pharma Vials from 22-mm diameter (5-ml volume) to 29-mm (20-ml volume) diameter. This holder is intended to measure in transmission with CQXE/USVIS in SAV or LAV modes or, with USPRO LAV and MAV modes

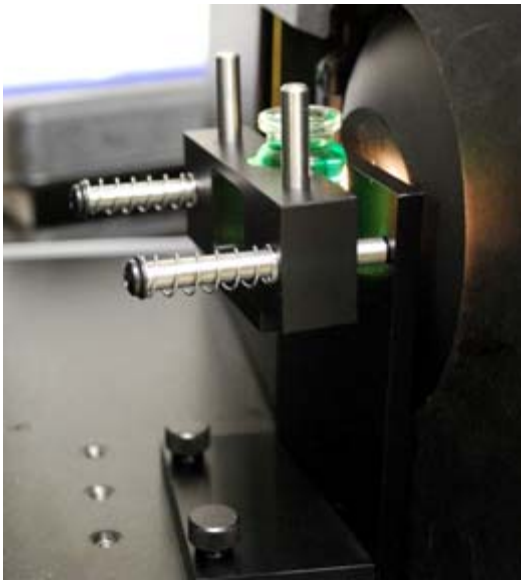
Installation

To install the CMR3102 Pharma Vial Holder:

1. Open the transmission compartment door.
2. Align the holder with the flat side towards the TTRAN sphere port.
3. Situate the holder so that the holes in the base of the holder align with holes in the floor of the transmission compartment.

4. Insert the screws and tighten until snug and the preform holder is held securely in place.

Operation



1. Place a pharma vial filled with DI water in the CMR3102 Holder.
2. Standardize the instrument in TTRAN mode on air, using the SAV - Small Area of View and 9.5-mm (0.375-in) as the port size. This can be done with the LAV – Large Area of View and 25-mm (1.00-in) port but SAV is preferred to minimize curvature on all vial sizes.
3. During the standardization process, the blocker will set 0% transmission and a clear path with the holder in place will set 100% transmission, negating the effects of the vial and solvent.
4. As an optional OQ (Operation Qualification) step, read back the cell + DI Water which should read L* = 100.0, a* = 0.0 and b* = 0.0 D65/10 closely if the instrument and CMR are set up correctly.
5. Replace the standardization vial with the pharma sample vial. Close the transmission door (not critical) and take a reading.
6. Open the transmission compartment door; rotate the vial approximately 120 degrees, and take a second reading.
7. Rotate and take a third reading of the vial.
8. Report the average measurement of the 3 readings to minimize variation in the wall thickness of the vial.