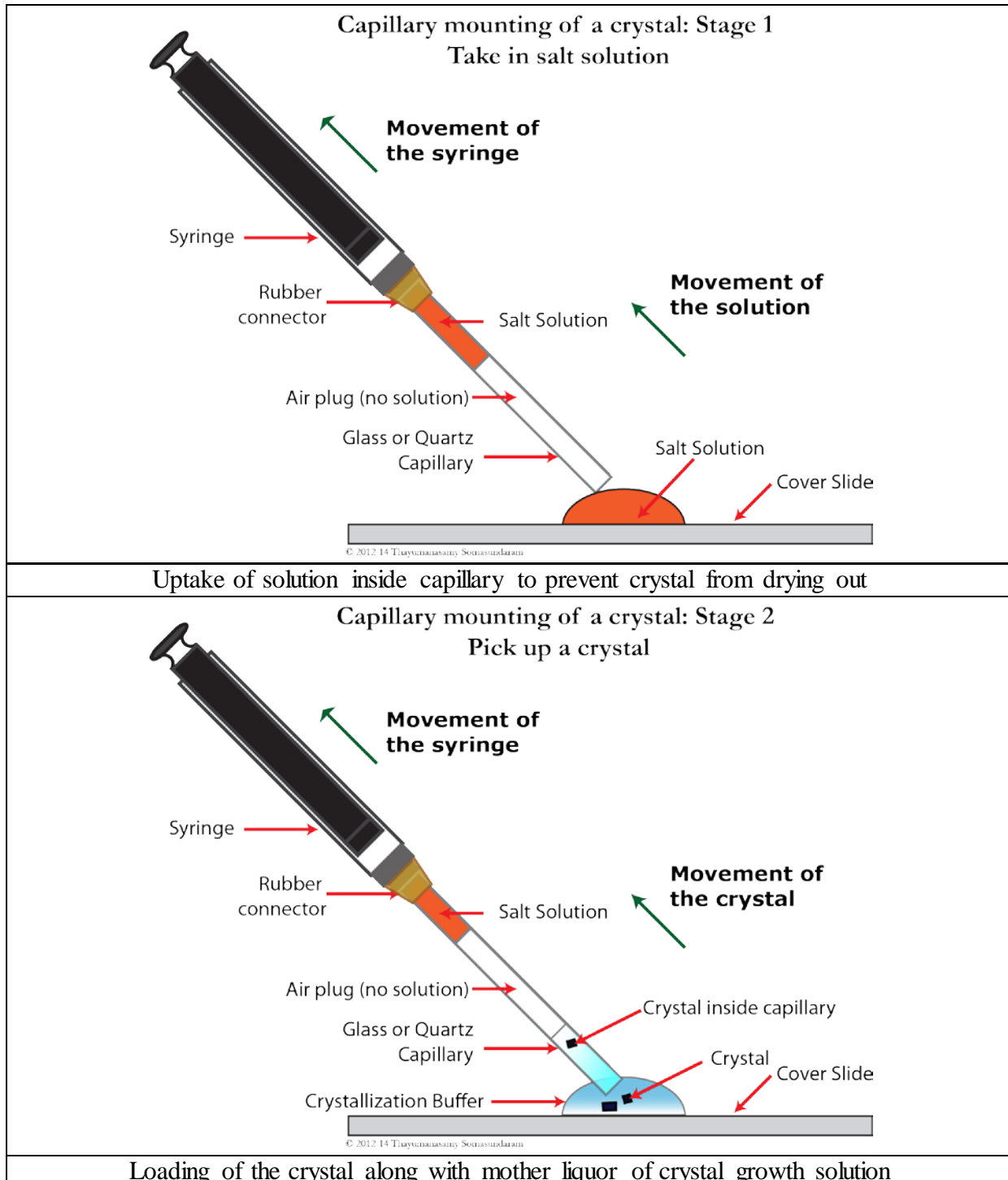


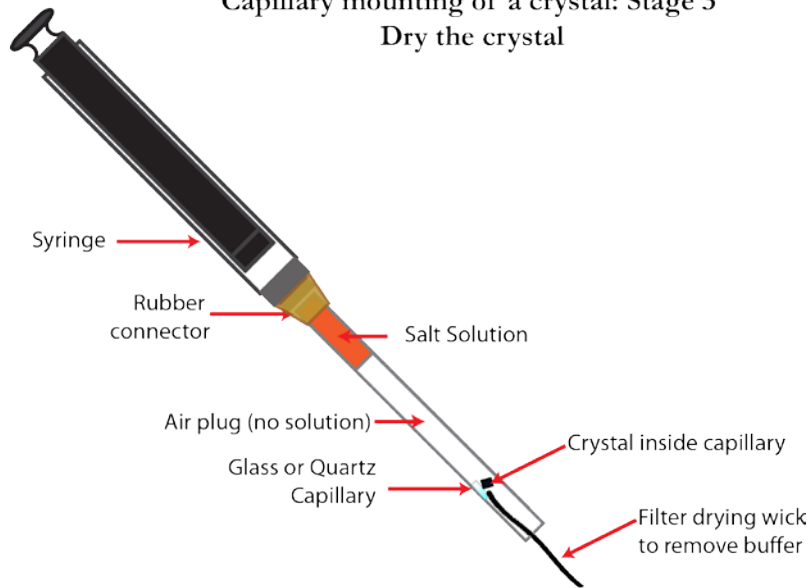
Loading a protein crystal inside a capillary

Loading a protein crystal in a glass (or quartz) capillary for x-ray diffraction data collection

The following figures show the four stages of loading a protein crystal from a vapor diffusion drop to a glass or quartz capillary. The capillary diameter is between 0.7 to 1.0 mm (wall thickness is 0.001mm). The crystal dimensions are 0.3 x 0.3 x 0.2 mm³.

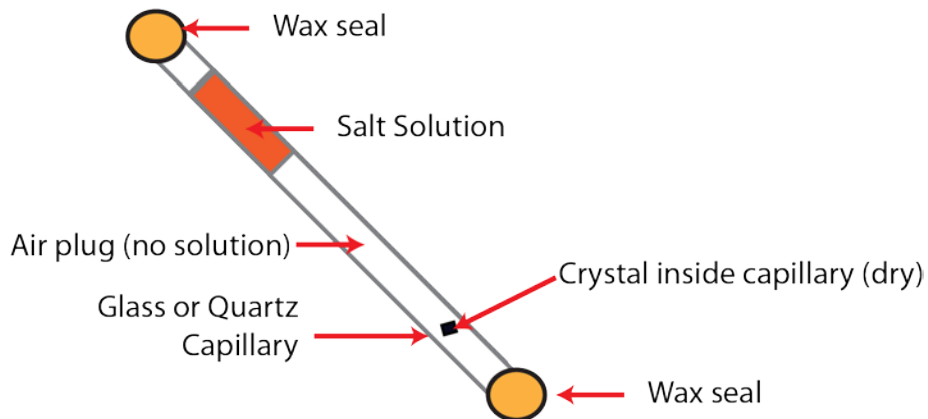


Capillary mounting of a crystal: Stage 3
Dry the crystal



Drying out almost all mother liquor near crystal using a paper wick

Capillary mounting of a crystal: Stage 4
Seal the crystal



Sealing both the ends of the capillary with wax to prevent drying of crystal