

SWISSCI Polymer**PS****UVP****UVXPO**

VIS XP 0°

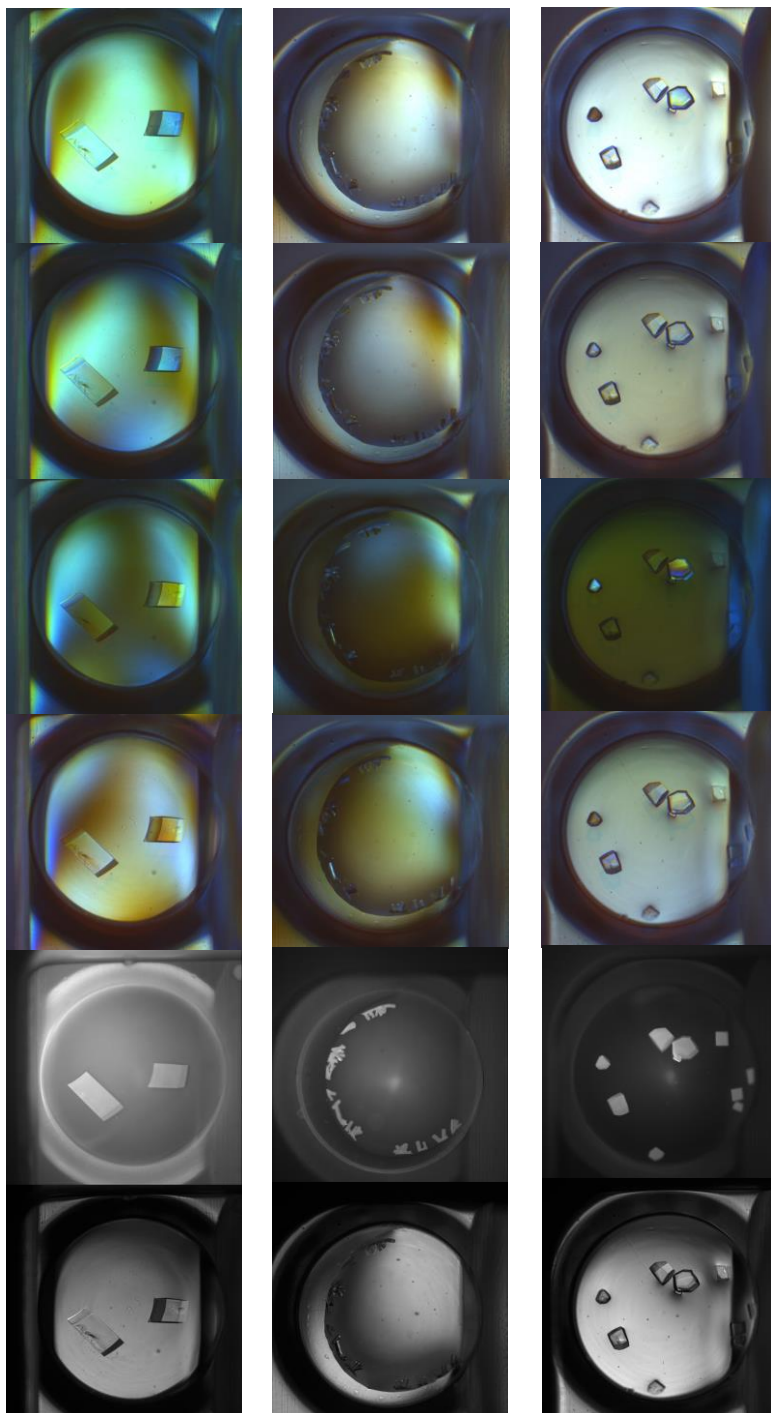
VIS XP 45°

VIS XP 90°

VIS XP 135°

UV

BF



SWISSCI crystallisation plates are available in 3 polymers. **Polystyrene (PS)** is a cost effective polymer that is optically clear when using standard brightfield or visible light sources, however as demonstrated in the figure above when imaging drops using both cross polarised (XP) and UV light the quality of the image is impaired by the interaction of the polymer with the light source. **SWISSCI's UVP polymer** was developed to reduce the auto-fluorescence coming from the plate, improving the UV image quality. **SWISSCI's UVXPO polymer** also has the same low auto-fluorescence while also showing uniform zero background when imaging using cross polarised light making it our most advanced polymer to date.

Images captured using the **JANSi UVEXp**. Zero post-processing of images. Visible Cross Polarised (XP) images taken at 4 angles/ 0.1 sec exposure. UV 0.1 sec exposure. BF (Bright-Field) standard 0.1 sec exposure. Crystals of Lysozyme grown in Swissci 3 lens plates / condition: 2.0 M Sodium Formate, 0.1 M Na Acetate pH 4.6. Drops set by hand.

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