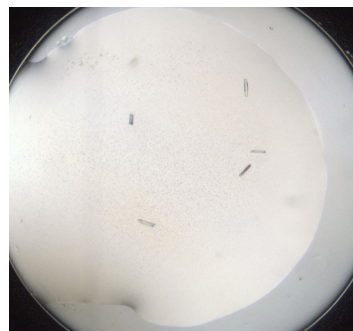
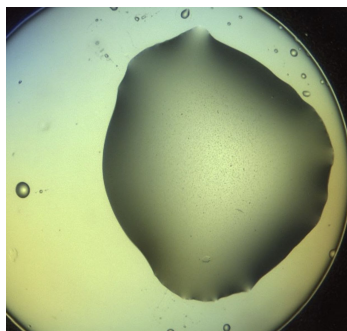
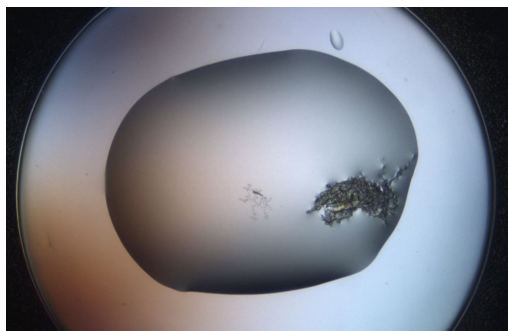


Training Models

Model	training 'accuracy'	validation 'accuracy'
ResNet50	~40%	~30%
EfficientNetB7	~37%	~30%
InceptionV3	~90-95%	~70-74%

Challenges

- metric is not very significant since we want to focus on determining crystals (make precision / recall our metric)
- similarity of crystals and impurity



- trained model on high quality pictures so far, need to retrain on blurry pictures
- more labeled data (more crystals would be great)