

## Drop recycling experiments that decouple nucleation and crystal growth

Observations [optional]: Drop score\*, [Crack Score\*\*], [Length ( $\pm 20 \mu\text{m}$ ) of longest crystal], [Res Add Code†].

†Res Add (suggested volume):  $G = 50\mu\text{L}$  of 50% glycerol;  $g = 10\mu\text{L}$  50% glycerol;  $S = 50\mu\text{L}$  2.5 M  $\text{LiSO}_4$ ;  $\sigma = 5\mu\text{L}$  of 2.5 M  $\text{LiSO}_4$ ;  $HW = 100\mu\text{L}$  dd( $\text{H}_2\text{O}$ ). For other volumes, combine code with volume, e.g.:  $\sigma 15$ .

Example: crystal with score of 18 that is 450 microns long and reservoir had 10 uL addition of  $\text{Li}_2\text{SO}_4$ .  
18, 450,  $\sigma 10$

Date	Time	A1	A2	A3	A4	A5	A6

Date	Time	B1	B2	B3	B4	B5	B6

Date	Time	C1	C2	C3	C4	C5	C6

Date	Time	D1	D2	D3	D4	D5	D6