

AVIDD ASAP: A71EV2A trunc08 A71EV2A-c012 p003 crystallization & co-crystallization with telaprevir

PAGE23-00312

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Date Started: 2023-Feb-10

Experiment Started:

Projects: Crystallization;ASAP

Related Pages:

Referenced by:

Tags:

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ID	Plate	Screen
A71EV2A-p003	CI085179	JCSG7
A71EV2A-p003	CI085550	LFS6
A71EV2A-p003	CI085551	Morpheus
A71EV2A-p003	CI085552	HIN3
A71EV2A-p003	CI085553	HCS3
A71EV2A-p003	CI085554	Hin3

A71EV2A-p003

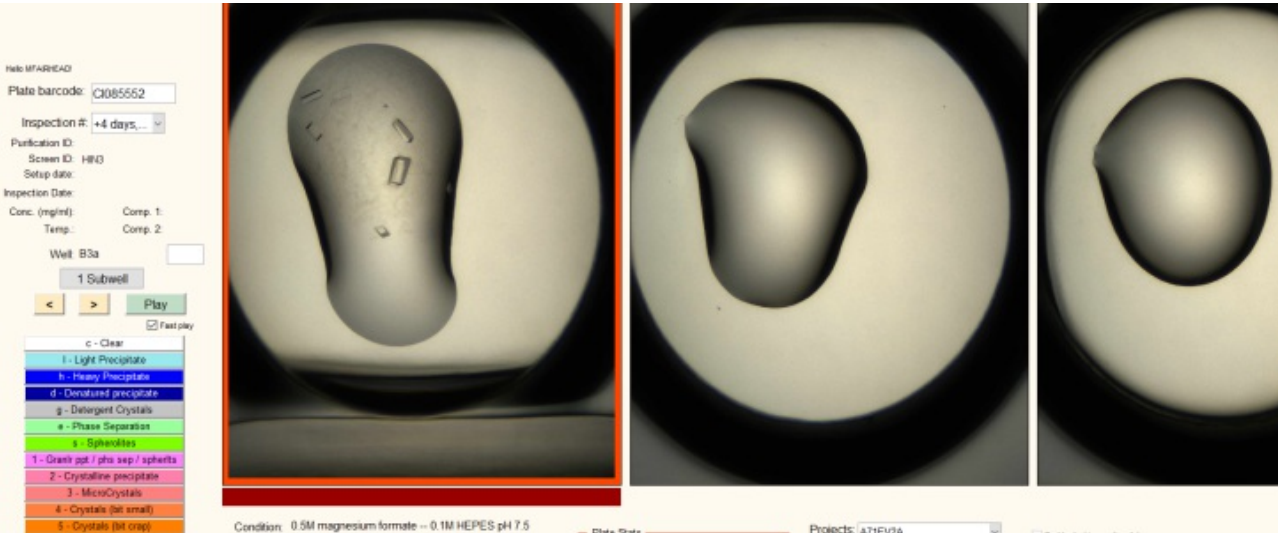
12.5 mg/mL

0.5 M MgFormate 0.1 M HEPES pH 7.5

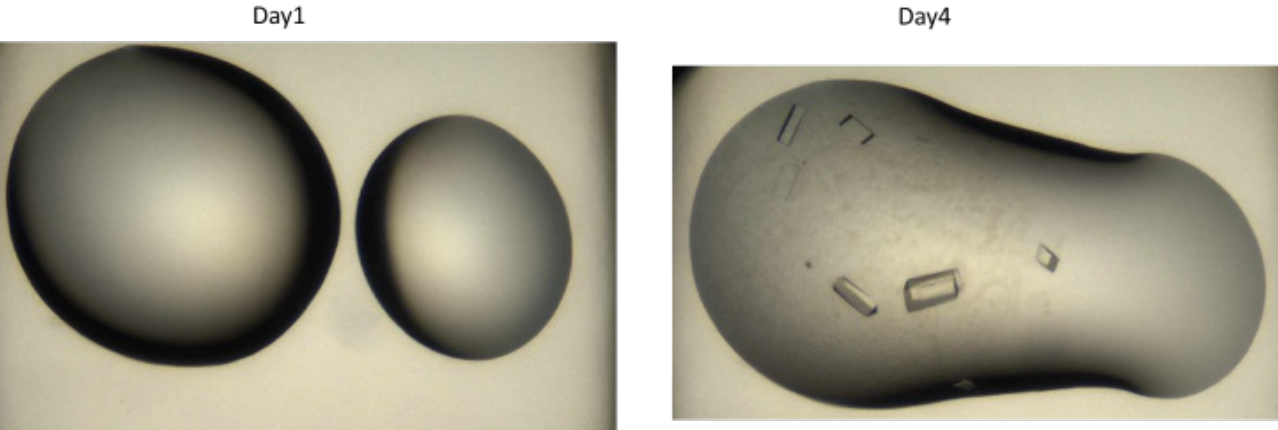
CI085552-B03a	A71EV2A-x001	Glycerol	1.8C121
CI085552-B03a	A71EV2A-x002	Glycerol	1.6C121
CI085552-B03a	A71EV2A-x003	Glycerol	1.6P1

Seems to diffract OK and phase so can we make reproducibly?
W:\A71EV2A\A71EV2A-x001\

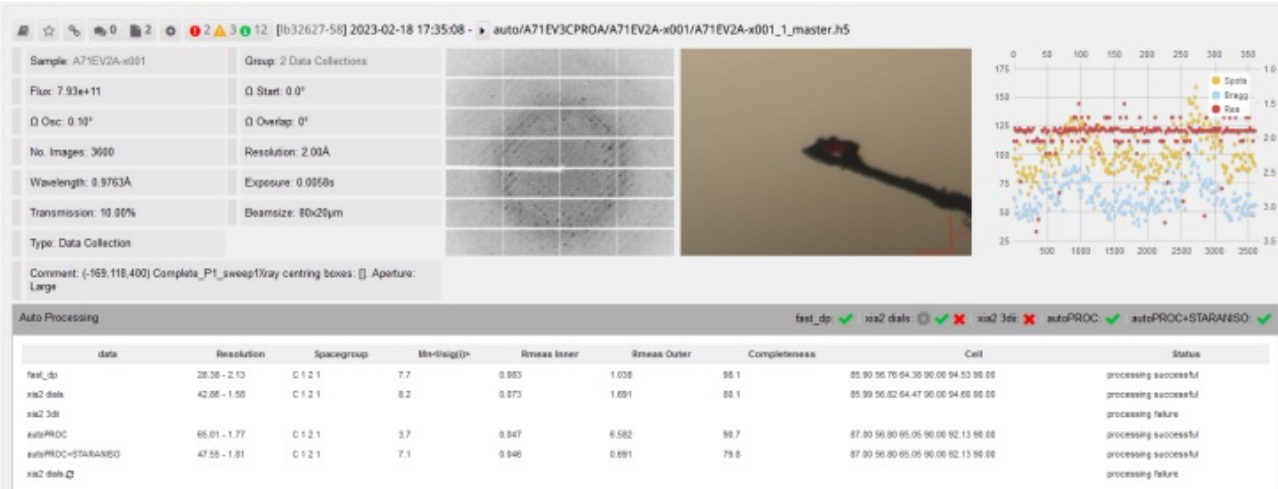
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Reproducible?



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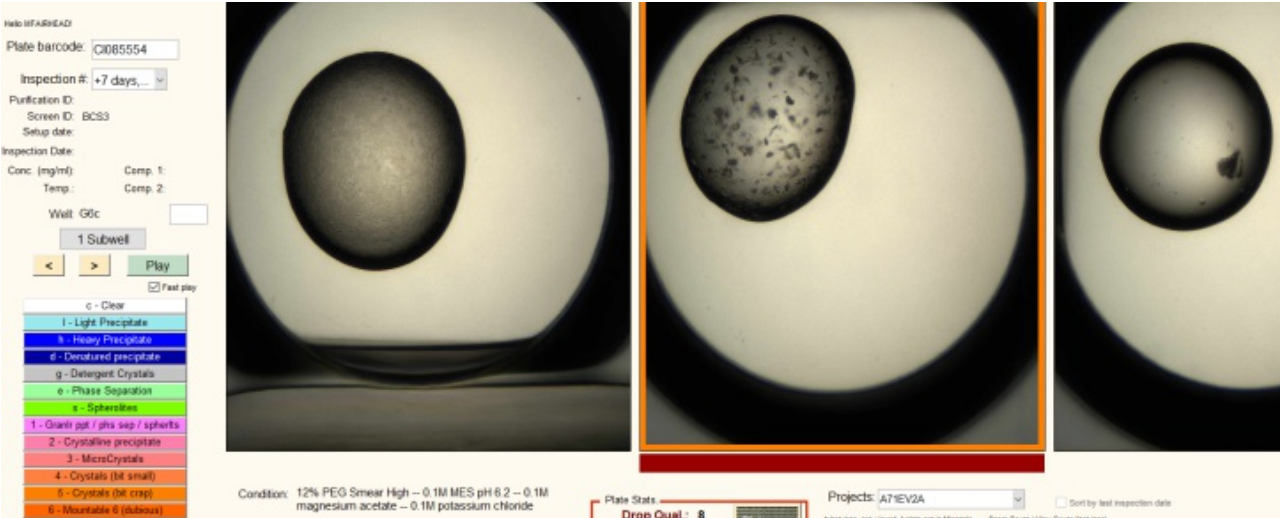
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Info: HFAIRHEAD

Plate barcode: C1085179

Inspection #: +7 days...

Purification ID: Screen ID: JCB07

Setup date: Inspection Date:

Conc. (mg/ml): Comp. 1: Temp.: Comp. 2:

Well: A5c

1 Subwell

< > Play

☒ Fast play

c - Clear

1 - Light Precipitate

h - Heavy Precipitate

d - Denatured precipitate

g - Detergent Crystals

e - Phase Separation

s - Spherulites

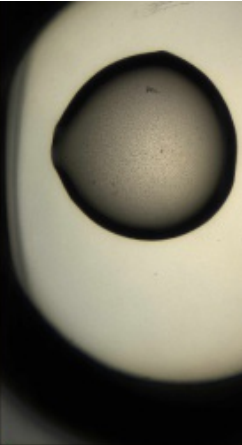
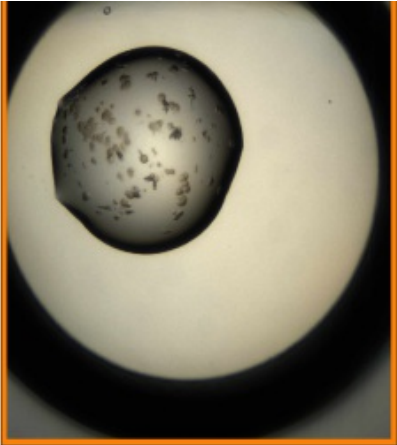
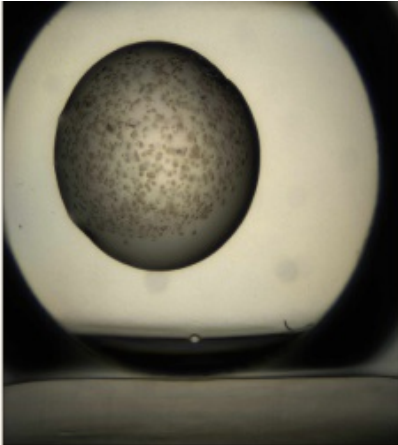
1 - Grank ppt / phs sep / spherites

2 - Crystalline precipitate

3 - MicroCrystals

4 - Crystals (bit small)

5 - Crystals (bit crop)



Condition: 20% PEG3350 -- 0.2M magnesium formate

Plate Stats

Projects: A71EV2A

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Info: HFAIRHEAD

Plate barcode: C1085553

Inspection #: +7 days...

Purification ID: Screen ID: HCS3

Setup date: Inspection Date:

Conc. (mg/ml): Comp. 1: Temp.: Comp. 2:

Well: D1a

1 Subwell

< > Play

☒ Fast play

c - Clear

1 - Light Precipitate

h - Heavy Precipitate

d - Denatured precipitate

g - Detergent Crystals

e - Phase Separation

s - Spherulites

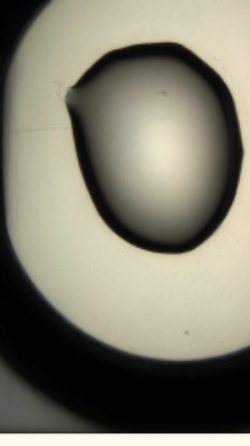
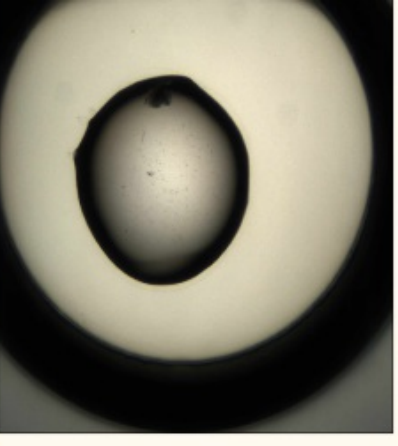

1 - Grank ppt / phs sep / spherites

2 - Crystalline precipitate

3 - MicroCrystals

4 - Crystals (bit small)

5 - Crystals (bit crop)

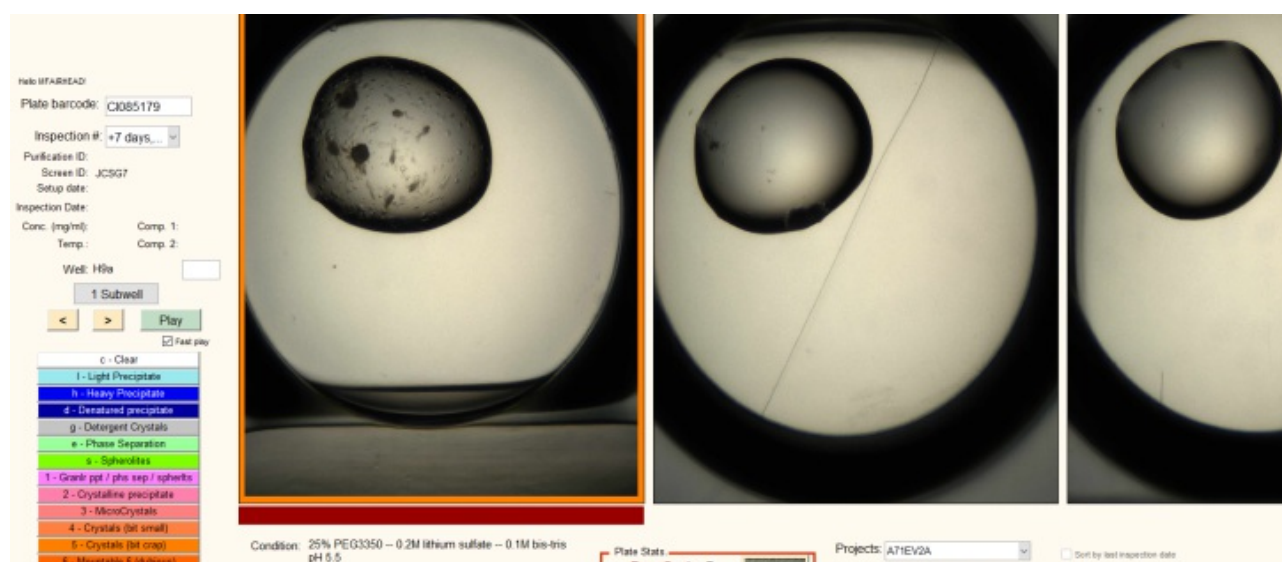


Condition: 0.3M magnesium formate

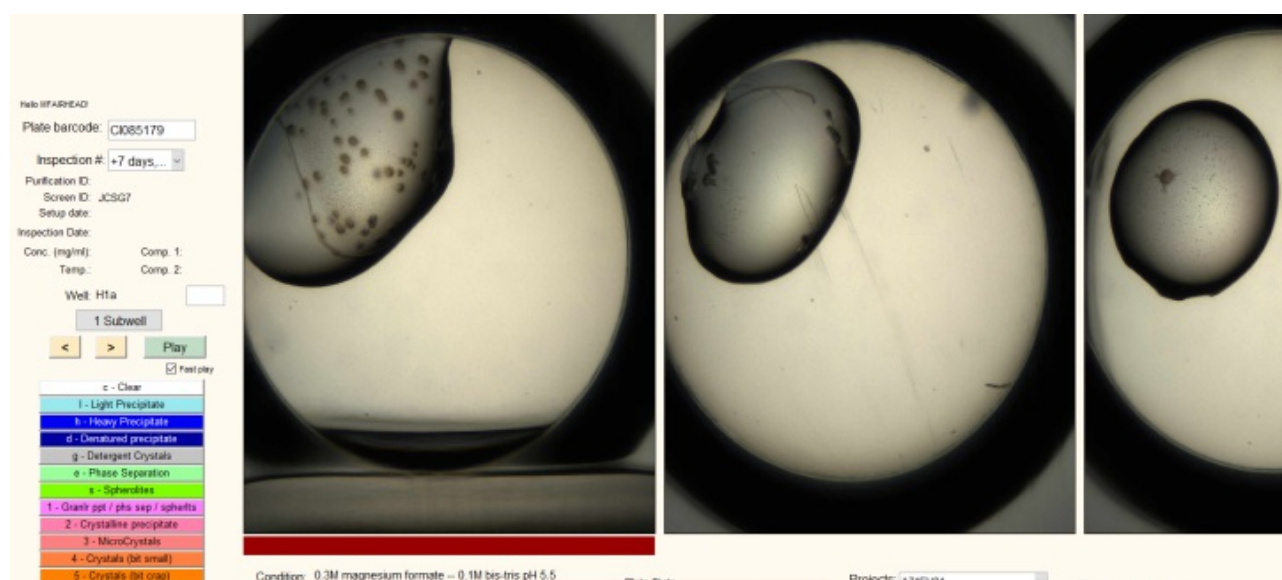
Plate Stats

Projects: A71EV2A

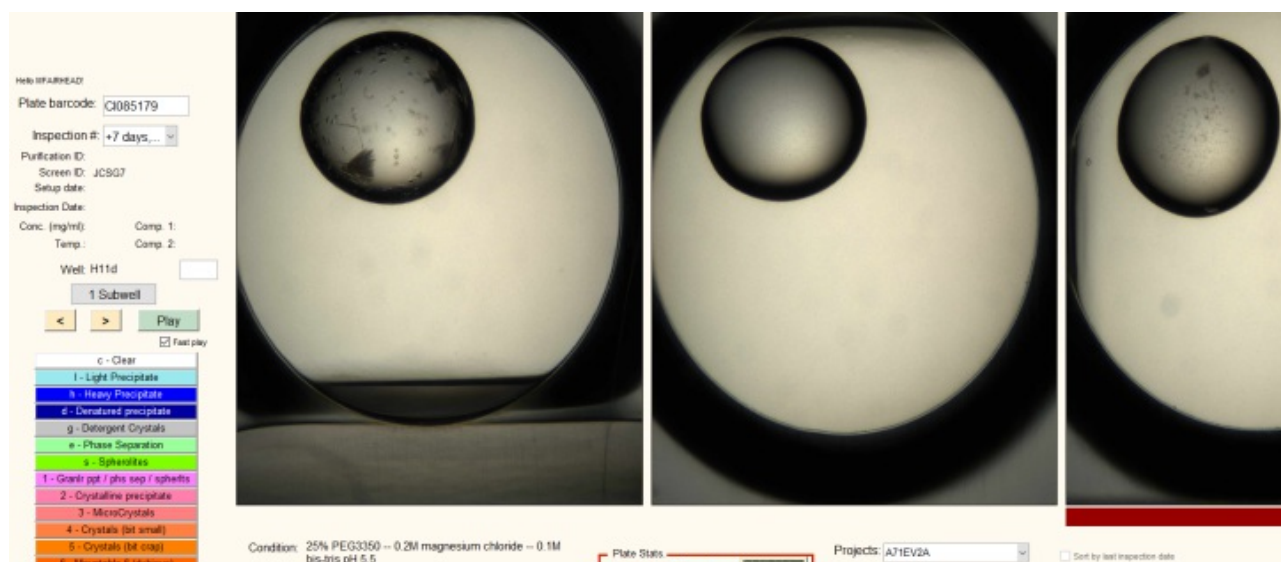
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Co-crystallization attempt with Telaprevir

2A protease inhibitor Telaprevir bought 10 mg from Biotecne

Dissolved in 0.15 mL of dry DMSO to make 100 mM stock

added 1 uL to 200 uL of 2A protease stock (0.8 mM), but crashed out added another 1 uL (final conc. 1 mM)
incubated 30 minutes RT and spun down 16 000 g 5 minutes SN still has protein

Not convinced much telaprevir bound (sizeable white pellet after centrifugation)

So decided to try co-crystallization by having compound in drop

Normal 150 nL drop plates setup but also added 15 nL of 10 mM compound at end

HCS3 CI085832

JCSG7 CI085833

Morpheus Fusion CI085835

LFS6 CI085830

HIN3 CI085834

BCS3 CI085831