

































Steps to Freeze Wild Isolate DNA Samples

1. Find all Google Sheets that have Sequencing Pool information:
 - a. [Andersen Lab Intake](#)
 - b. [Wild Isolate DNA Concentration](#)
 - c. [Strains To Sequence](#)
 - d. [Master List of Thaws](#)
2. Create a new tab in [20210202_POOLRETLLabels](#).
3. Get the Library Info file from Robyn. Copy the strain names and concentrations from the file to the appropriate columns on the Google Sheet. If there are multiple plates on the Library Info file, copy the names/concentrations in plate order (i.e. - Plate 1, then Plate 2, etc.)
4. Print all labels ($\frac{3}{8}$ " spot and $\frac{1}{2}$ " x $1\frac{1}{2}$ " label) from one Sequencing Pool on the Dymo printer using labels (USA Scientific, cat# 9138-6000)..
 - a. $\frac{3}{8}$ " spot - just strain name
 - b. $\frac{1}{2}$ " x $1\frac{1}{2}$ " label - strain name and concentration
5. Put red inserts into cryogenic tubes (FisherBrand, cat # 12-567-501)
6. Put spot label on the top of the tube and the long label around the tube.
7. Take DNA samples from the cold room that correspond to the Sequencing Pool you printed.
8. Transfer entire volume from the 1.5 ml centrifuge to the appropriately labeled cryogenic tube.
9. Transfer cryogenic tubes to the -20C cryo boxes.
10. When a box is full, take a photo of the samples in the box.
11. Enter box location information in Labguru.
 - a. Open Labguru
 - b. Click on "Storage & Equipment"
 - i. Select "boxes"
 - c. Search for "DNA"
 - d. Select "Wild Isolate DNA Preps #X"
 - e. Find the next available spot in the box and click on the "+" in the upper-right corner

55 (G1)	56 (G2)	57 (G3)	58 (G4)	59 (G5)	60 (G6)	61 (G7)	62 (G8)	63 (G9)
 ECA923 1/8/20  64 (H1)	 ECA924 1/8/20  65 (H2)	 ECA925 1/8/20  66 (H3)	 ECA926 1/8/20  67 (H4)	 ECA927 1/8/20  68 (H5)	 ECA928 1/8/20  69 (H6)	 ECA930 1/8/20  70 (H7)	 ED3101 1/8/20  71 (H8)	 GX0023 1/8/20  72 (H9)
 JU1338 1/8/20  73 (I1)	 JU1341 1/8/20  74 (I2)	 NIC1112 1/8/20  75 (I3)	 NIC898 1/8/20  76 (I4)	 QG131 1/8/20  77 (I5)	 78 (I6)	 79 (I7)	 80 (I8)	 81 (I9)

- f. A pop-up will appear:

Add stock

Name *

Expiration date

Collection
Wild Isolate DNA preps

Lot

Content * e.g. T4 DNA Ligase ⓘ
Search in Wild Isolate DNA preps...

Owner
Erik Andersen (Me)

Type
Tube

Stored / frozen by
Erik Andersen (Me)

Public Private

Concentration e.g. 1x10⁷ L
mg/mL

Stored / frozen on
2020-01-08

concentration remarks...

Volume e.g. 1x10⁷ M
ml

Description

Save Cancel

- g. Look at the corresponding photo for the particular box and determine which tube goes in the available spot. In this case, it would be QG840:



- h. Enter the strain Name in the name field:

Add stock

Name *
QG840

Expiration date

Collection
Wild Isolate DNA preps

Lot

Content * e.g. T4 DNA Ligase ⓘ
Search in Wild Isolate DNA preps...

Owner
Erik Andersen (Me)

Type
Tube

Stored / frozen by
Erik Andersen (Me)

Public Private

Concentration e.g. 1x10⁷ L
mg/mL

Stored / frozen on
2020-01-08

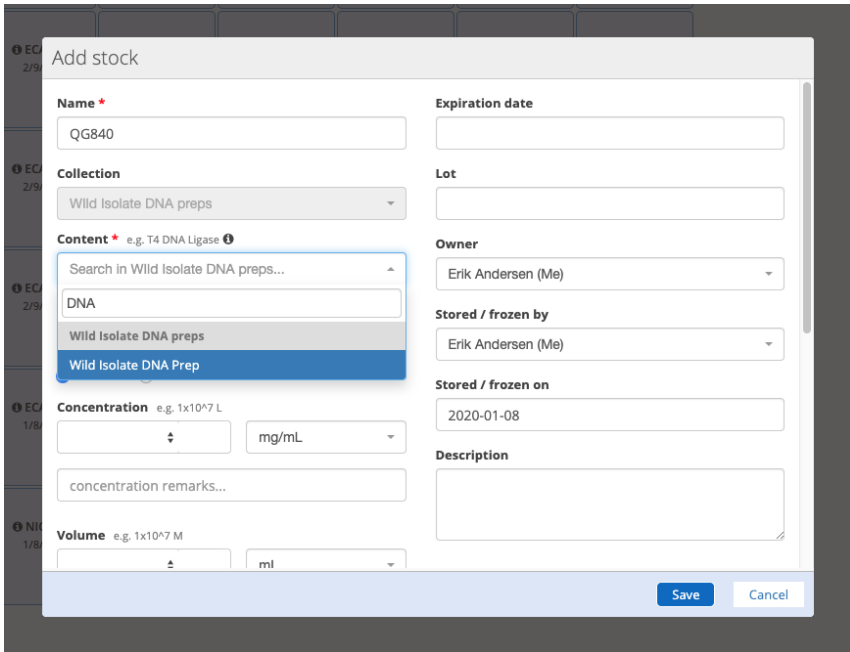
concentration remarks...

Volume e.g. 1x10⁷ M
ml

Description

Save Cancel

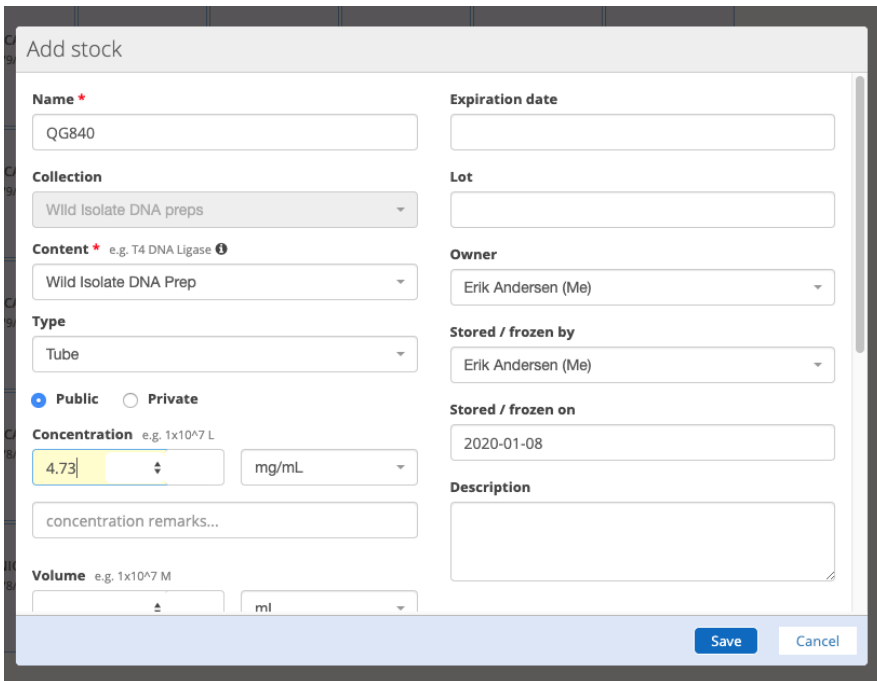
- i. In the Content field, type “DNA” and select “Wild Isolate DNA Prep” when it appears:



The screenshot shows the 'Add stock' form with the following fields and values:

- Name ***: QG840
- Collection**: Wild Isolate DNA preps
- Content ***: Wild Isolate DNA Prep (selected from a dropdown menu that also shows 'DNA' and 'Wild Isolate DNA preps')
- Concentration**: mg/mL
- Volume**: ml
- Expiration date**: (empty)
- Lot**: (empty)
- Owner**: Erik Andersen (Me)
- Stored / frozen by**: Erik Andersen (Me)
- Stored / frozen on**: 2020-01-08
- Description**: (empty)

- j. Search your Pool-specific Google sheets for the strain name. When you find the strain, enter the value for the concentration in the Concentration field:



The screenshot shows the 'Add stock' form with the following fields and values:

- Name ***: QG840
- Collection**: Wild Isolate DNA preps
- Content ***: Wild Isolate DNA Prep
- Type**: Tube
- Public/Private**: Public (selected)
- Concentration**: 4.73 mg/mL
- Volume**: ml
- Expiration date**: (empty)
- Lot**: (empty)
- Owner**: Erik Andersen (Me)
- Stored / frozen by**: Erik Andersen (Me)
- Stored / frozen on**: 2020-01-08
- Description**: (empty)

- k. Change the units for the concentration to ng/μl:

Add stock

Name *	QG840	Expiration date	
Collection	Wild Isolate DNA preps	Lot	
Content * e.g. T4 DNA Ligase ⓘ	Wild Isolate DNA Prep	Owner	Erik Andersen (Me)
Type	Tube	Stored / frozen by	Erik Andersen (Me)
<input checked="" type="radio"/> Public <input type="radio"/> Private		Stored / frozen on	2020-01-08
Concentration e.g. 1x10 ⁷ L	4.73 ng/μL	Description	
	concentration remarks...		
Volume e.g. 1x10 ⁷ M			

I. Click Save.