

# May

## May 14th

**Experiment:** preparation of alkaline lysis solutions

**Responsables:** Noé Chaves

**Protocol code:** Alk\_Lys

**Protocol modifications or specifications:** None

**Results:** No results needed.

## May 14th

**Experiment:** LB broth inoculation of *E. coli* pRBK

**Responsables:** Noé Chaves

**Protocol code:** One colony of *E. coli* with RBK plasmid was inoculated in 5mL of LB broth.

**Protocol modifications or specifications:** None

**Results:** No results needed.

## May 15th

**Experiment:** *E. coli* pRBK Criopreservation

**Responsables:** Noé Chaves

**Protocol code:** Cry

**Protocol modifications or specifications:** None

**Results:** No results needed.

## May 15th

**Experiment:** pRBK DNA extraction

**Responsables:** Noé Chaves

**Protocol code:** Alk\_Lys

**Protocol modifications or specifications:** None

**Results:** Electrophoresis and quantification to be done on May 16th.

## May 15th

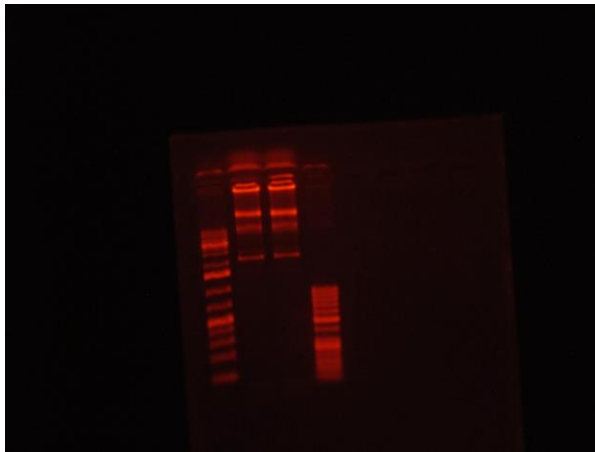
**Experiment:** *E. coli* pRBK extraction

**Responsables:** Diego Rojas

**Protocol code:** AlkLys

**Protocol modifications or specifications:** Extraction was made using the Alkaline Lysis protocol. A sample was separated using Chloroform: Phenol to obtain purest DNA, nevertheless no difference was observed in the results with Nanodrop quantification between the separated sample and the non-separated.

**Results:** Quantification wasn't done today. A gel is shown in the next image. The electrophoresis was run at 100 V for 30 min.



## May 21st

**Experiment:** *L. casei* ATCC 0334 Kirby Bauer assay

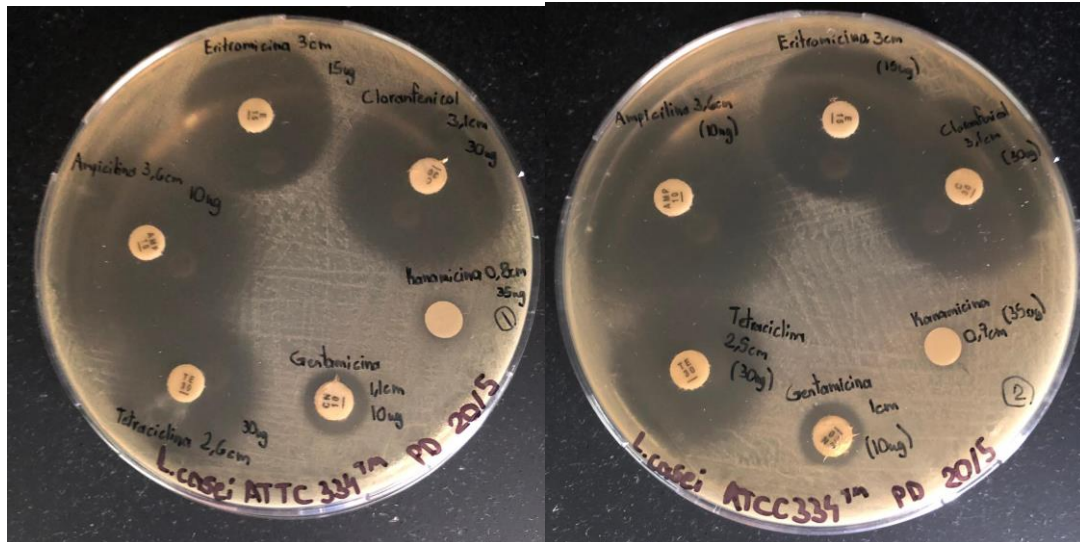
**Responsables:** Pablo Delgado

**Protocol code:** Kirby Bauer assay was done in MRS plates.

**Protocol modifications or specifications:** The antibiotics used were:

Antibiotic	Concentration (ng)	MIC		Do works?
Eritromicina	15	3	3	YES
Cloranfenicol	30	3.1	3.1	YES
Ampicilina	10	3.6	3.6	YES
Tetraciclina	30	2.6	2.5	YES
Gentamicina	10	1.1	1	NO
Kanamicina	35	0.8	0.7	NO

**Results:** Shown before.



## May 21st

**Experiment:** *L. casei* ATCC 0334 plate streaking and MRS broth inoculation.

**Responsables:** Noé Chaves

**Protocol code:** standard lab work

**Protocol modifications or specifications:** None

**Results:** No results needed.

## May 22nd

**Experiment:** *L. casei* ATCC 0334 competent cells preparation.

**Responsables:** Noé Chaves

**Protocol code:** CC\_Lc

**Protocol modifications or specifications:** None

**Results:** No results needed.

## May 24th

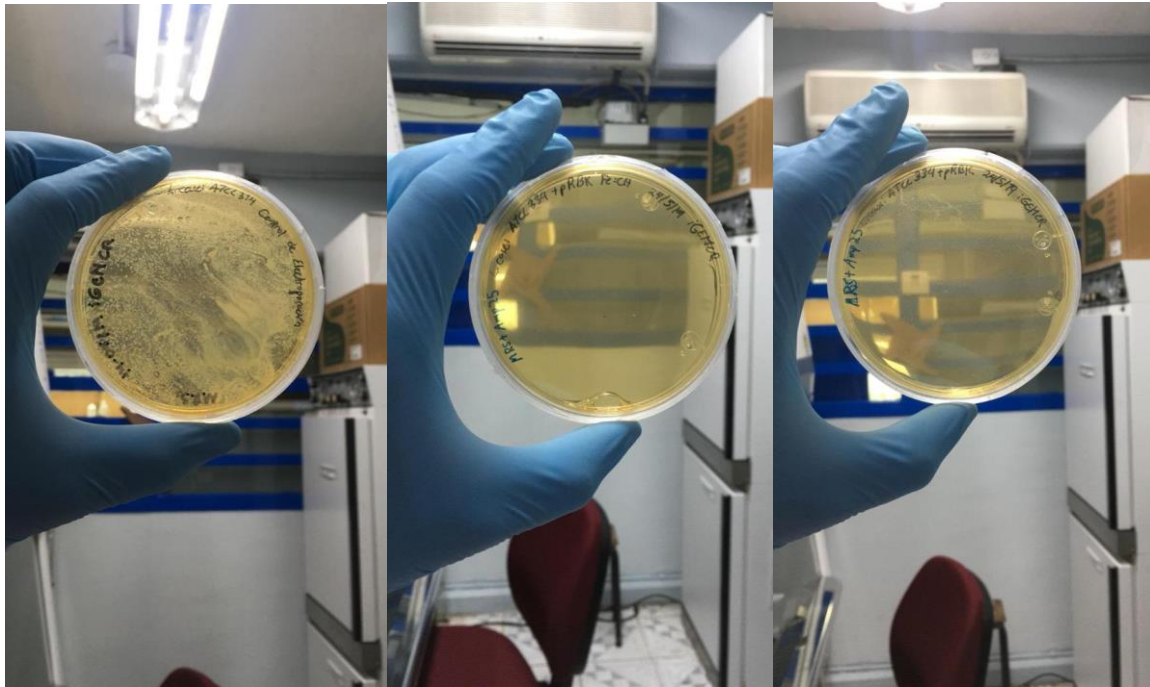
**Experiment:** *L. casei* ATCC 0334 transformation trial #1 (pRBK)

**Responsables:** Noé Chaves

**Protocol code:** Trans\_Lc

**Protocol modifications or specifications:** None

**Results:** seen the next day.



Control

pRBK

pRBK Fe:CH

Name	Resistance	Result
Control	N/A	✓
pRBK	A	X
pRBK Fe:Ch	A	X

## May 24th

**Experiment:** preparation of alkaline lysis solutions

**Responsables:** Anthony Mora

**Protocol code:** Alk\_Lys

**Protocol modifications or specifications:** None

**Results:** No results needed.

## May 25th

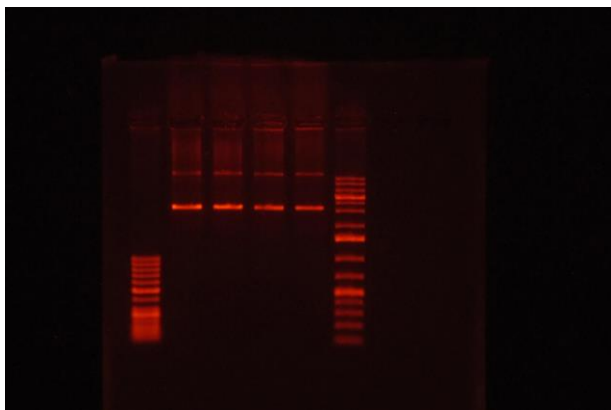
**Experiment:** pBCH18 plasmid DNA extraction using Alkaline Lysis.

**Responsables:** Diego Rojas

**Protocol code:** Alk\_Lys

**Protocol modifications or specifications:** 2 samples were obtained

**Results:** Quantification was not done today, nevertheless in the gel there is a clear band that corresponds to the Plasmid DNA.



## May 27th

**Experiment:** Broth inoculation of *E. coli* pBCH18 + and Cryopreservation

**Responsables:** Noé Chaves

**Protocol code:** Cry and standard lab work

**Protocol modifications or specifications:** None

**Results:** No results needed.

## May 29th

**Experiment:** *L. casei* ATCC 0334 transformation trial #2 (pBCH18)

**Responsables:** Noé Chaves

**Protocol code:** Trans\_Lc

**Protocol modifications or specifications:** None

**Results:** seen the next day.



Name	Resistance	Result
Control	C	✓
pBCH18 (Two replicates)	C	X
pBCH18 (Two replicates)	C	X

## May 31st

**Experiment:** Biobrick resuspension

**Responsables:** Paula Thiel

**Protocol code:** BB\_Res

**Protocol modifications or specifications:** None

**Results:** No results needed.

## May 31st

**Experiment:** Transformation

**Responsables:** Paula Thiel

**Protocol code:** Trans\_Ec

**Protocol modifications or specifications:** None

**Results:**

Name	Resistance	Result
E0040	A	X
B0015	C	✓
R0040	C	✓
E0840	C	✓
J23100	A	✓
J23101	A	✓
J23108	A	X
J23110	A	✓
J23114	A	X
R0010	C	✓
I13504	C	✓
E0240	C	✓
C+	C	✓
C-	C	X
C+	A	✓
C-	A	X