- Announcements
- Lab Quiz
- Pre-lab Lecture
 - Major assessment prep
 - Lipofection workflow
 - Samples for HR experiment
 - Tissue culture tips
 - Today in Lab: M1D6

Announcements

- Next time: flow cytometry in shifts
 - sign up on M1D7 "Talk" page
- Next time: notebooks due!
- Methods due by 5 pm Monday
 - individual, no revision
- Data summary due by 11 am Friday
 - with partner, may be revised

OH tentatively Sunday 6th from 2-3:30 pm

SKH Sunday (?)

time T 4-5 Bevin M (2-3)? + Bye and thanks !!

SKH eg 513

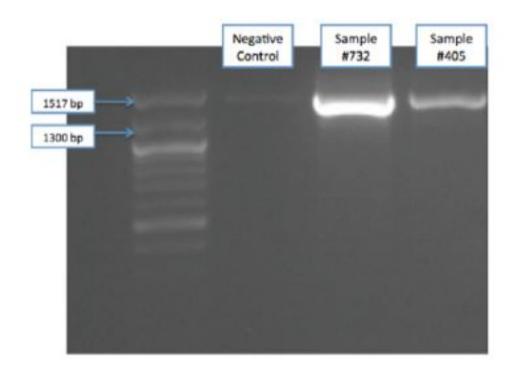


Figure 2: Agarose Gel of 16s rRNA PCR product amplified from gull samples.

ink pretation (us caption)

· concise statements

· options < importance "figure triendly"

"no band in NTC suggests ..."

draw conclusion each time

" band@ 14005p suggests ampl. of 165 rRNA ..."

from gull samples.

SKH

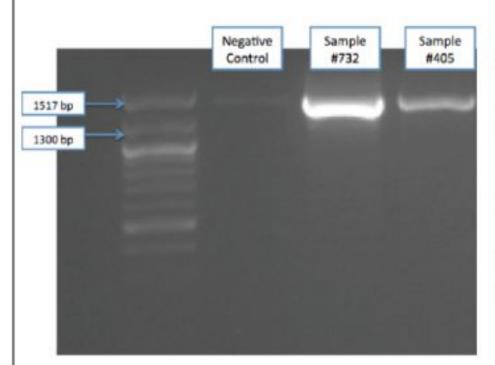


Figure 2: Agarose Gel of 16s rRNA PCR product amplified from gull samples.

- 1 page!

Alternate titles:

Amplification of bacterial 16s rRNA gene from Alaskan gull stool samples.

Electrophoresis of amplified bacterial 16s rRNA genes.

Successful amplification of bacterial 16s rRNA gene from two Alaskan gulls.

action verby:)

* what is good (s) of each gel? *

* opening sevence: expanding on title *

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Transformation

"usable product pts"

Xbal/EcoRI Digest

PCR product purification

Diagnostic Digest GE

Xbal/EcoR | Digest Purification (GE)

O/N e.coli cultures

Plasmid purification

fortra senterces display grouping

Ligation/Precipitation

1

Diagnostic Digest

一? ETC.

Lipofection method

- DNA carrier is similar to the cell membrane
- Efficient transfection (can be >95%)

Figure 6 - Outline of transfection procedure for Lìpofectamine™ 2000 Reagent

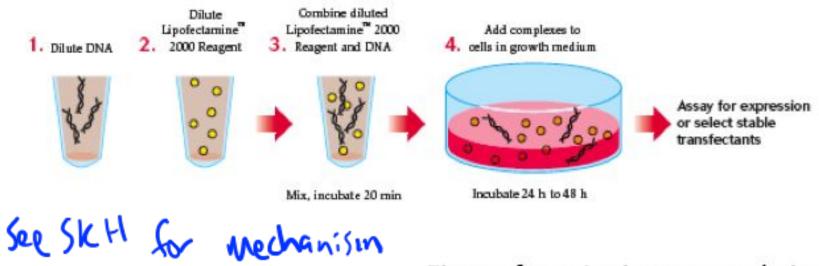
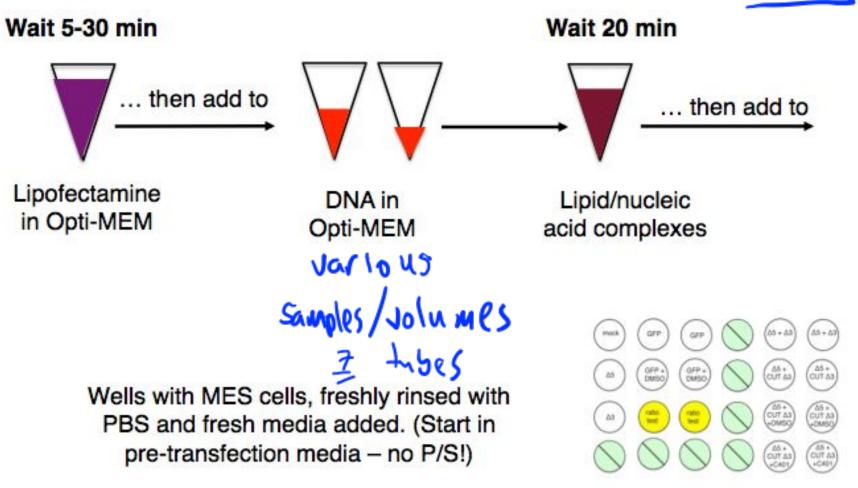
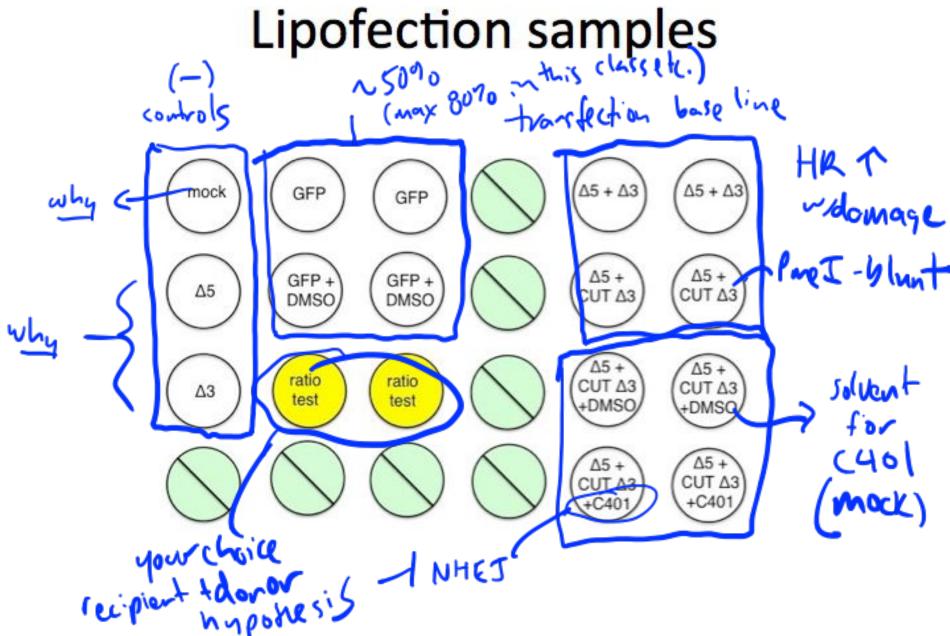


Figure from Invitrogen website

Lipofection workflow

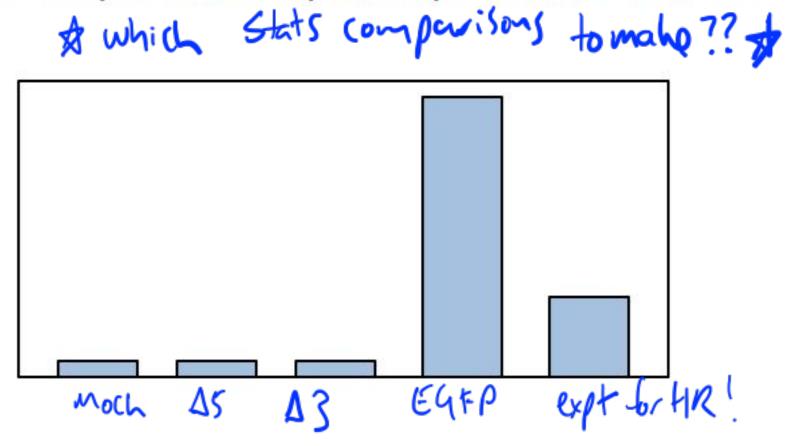
1.5 4/5





Controls for HR assay

How do you know if your experiment worked?



Tissue culture tips

- Set up a few inches behind the barrier/grate
- Minimize opportunities to bump or expose sterile equipment or your samples
 - Uncap bottles before opening pipet
 - Keep tips and dishes closed when not in use
 - Avoid passing your hands/arms over open dishes
 - Don't try to hold > 2 things at once! ☺
- Take care not to clog the pipet-aids

Today in Lab: M1D6

- Half of class in TC
 - Same four groups go first as last time
- Half in 56-711 to discuss paper w/Bevin
 - Session 1: 1:45-2:45
 - Session 2: 3:15-4:15
- Will announce methods pick-up when ready