

**Additional resources for Luria-Delbrück module in Physics 498 EBP**

**Prof: Seppe Kuehn**

**TA: Laura Troyer**

P-values from simulated data:

<https://www.khanacademy.org/math/ap-statistics/tests-significance-ap/idea-significance-tests/v/estimating-p-value-from-simulation>

Using micropipette:

<https://youtu.be/p-OPOYbeZP0?list=PLrAEgIY86I6wYlgx3iE-KvyaRFzwuuixr>

Aseptic Technique: (plating/general lab sterilization/making overnight culture (4:47))

<https://youtu.be/bRadiLXkqoU?list=PLrAEgIY86I6wYlgx3iE-KvyaRFzwuuixr>

Making antibiotic enriched LB Agar plates:

[https://youtu.be/BH4ESgWU\\_Eo?list=PLrAEgIY86I6wYlgx3iE-KvyaRFzwuuixr](https://youtu.be/BH4ESgWU_Eo?list=PLrAEgIY86I6wYlgx3iE-KvyaRFzwuuixr)

Using an electric balance:

<https://youtu.be/0UymyTJATLc?list=PLrAEgIY86I6wYlgx3iE-KvyaRFzwuuixr>

Using a pH meter:

<https://youtu.be/vwY-xWMam7o?list=PLrAEgIY86I6wYlgx3iE-KvyaRFzwuuixr>

Serial Dilution and plate count method:

<https://youtu.be/pmRUBYIPMBM?list=PLrAEgIY86I6wYlgx3iE-KvyaRFzwuuixr>

Titration of acids and bases:

<https://youtu.be/5BZ0MPIgeEE?list=PLrAEgIY86I6wYlgx3iE-KvyaRFzwuuixr>