

Title	Transformation - Conjugation		
Protocol Number	MB21001	Written by	Duha A.
Adapted from	Marczynski Lab	Version	1.0
Date created	16 th Feb 2021	Version update	NA

Protocol:

1. In a small spot on a PYE plate, mix an equal amount of recipient *C. crescentus* and donor *E. coli* cells.
2. Incubate the plates overnight at 28C.
3. Subculture the spots on **NX**+Antibiotic-of-interest PYE plates. *Include *C. crescentus* and *E. coli* controls. Aim for isolated colonies
4. Incubate subcultured bacteria for at least 48hrs
5. Report the growth pattern and view the cells under the microscope.
6. If applicable, perform a temperature sensitivity (TS) test and antibiotic resistance tests.