Dear Joshua – I'm confused and appealing for help. It seems to me that the incidence of successful transductions in our lab is much lower than in yours. This week I used PLT22 phage of a titer of ca. 10^{10} in trying to transduce motility to a nonmotile S. paratyphi B which is susceptible to the phage. I made 10 tubes using a total of 4 ml of lysate – not a single bulb appeared.

I am enclosing a reprint which gives our exact method for your convenience (p280). Discard it when you have finished. Any comments would be appreciated.

Should we use fume bags?

How much of the phage-recipient mixture ~~dea~~ do you put on one of your small plates?

Should we eliminate the incubation for phage absorption? etc etc etc

If you could answer soon it would help I have a lot of non-motiles on the fire

Kindest regards to you and Esther

As ever,

Phil

How many plates per transduction?