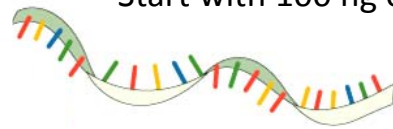


Start with 100 ng of mRNA



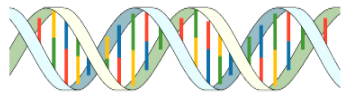
Library
synthesis

Assume 500ng with
mean of 250 bp in 400uL



**Start with
library diluted
to 10nM**

100% of library



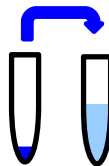
Denature 2uL
in 20uL total

0.50 % of library



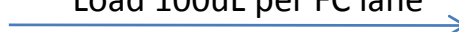
Dilute 8uL to 1mL

0.20 % of library

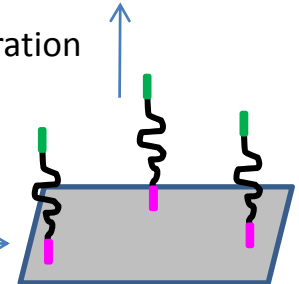


Load 100uL per FC lane

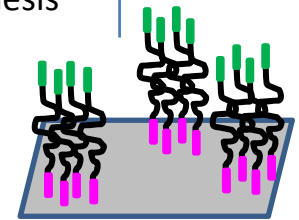
0.02 % loaded onto lane
– not all will bind...



Cluster generation



Sequencing by
synthesis



Filter clusters ~75% pass QC



**A 'good' lane has ~30 million
clusters- this represents
0.0013 % of starting library...**