Small gel box takes 300mL of buffer (6mL of 50x TAE) - when running 2 combs, only run for 45 min…longer and top lane will run into bottom lane, run at constant voltage of 100V

Large gel box takes 2L of buffer (40mL of 50x TAE)

50mL gels:

1% agarose

50mL 1x TAE buffer (1mL 50x, fill to 50)

0.5g agarose

5µL gelstar (1/10,000)

1.5% gel

50mL 1x TAE buffer (1mL 50x, fill to 50)

0.75g agarose (50\*0.015)

5µL gelstar (1/10,000)

200mL gels:

1% agarose

200mL 1x TAE buffer (4mL 50x, fill to 200)

2g agarose

20µL gelstar (1/10,000)

1.5% gel

3g agarose

200mL 1x TAE

20µL gelstar

250mL gels:

1.5% gel

250mL 1x TAE buffer (4mL 50x, fill to 250)

3.75g agarose (250\* 0.015)

25µL gelstar