Flexi-Buffer w/o Loading Dyes

Agarose Gel – 2% in 1X TAE

- Add SYBR Safe (10,000X-Invitrogen) to agarose after it has been cooled to 55-60°C.
- Pour gels.
- Prepare Low Molecular Weight (LMW) Marker (NEB): 1.0 μl in 9.0 μl TE (10.1) pH8.0 + 2 μl 6 X loading buffer.
- Add loading buffer to PCR reactions
    - Spot 2 μl of loading buffer on clean plastic wrap for each sample.
    - Transfer the 10 μl reaction to the loading dye using a micropipet.
    - Mix the PCR reaction with dye by pipeting up and down (aspirate and expel the liquid several times)
- Load the mixture into the wells of the agarose gel.
- Record your sample positions on the master gel-loading template.
- Run gel at 100 volts.

Flexi-Buffer w/ Loading Dyes

Agarose Gel – 2% in 1X TAE

- Add SYBR Safe (10,000X-Invitrogen) to agarose after it has been cooled to 55-60°C.
- Prepare Low Molecular Weight (LMW) Marker (NEB): 1.0 μl in 9.0 μl TE (10.1) pH8.0 + 2 μl 6 X loading buffer.
- Load 10 μl of the PCR reaction into the wells of the agarose gel.
- Record your sample positions on the master gel-loading template.
- Run gel at 100 volts.