D1S80/PV92 PCR Reactions

Agarose Gel – 1.2% in 1X TAE

- Add SYBR Safe (10,000X-Invitrogen) to agarose after it has been cooled to 55-60°C.
- Prepare Roche VIII molecular weight marker): 4 μl marker in 6 μl TE (10.1) pH8.0 + 1 μl 10 X loading buffer. This is the quantity per well.
- 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.
- Run gel at 100 volts.

TAS2R38 Reactions

Agarose Gel – 2% in 1X TAE

- Add SYBR Safe (10,000X-Invitrogen) to agarose after it has been cooled to 55-60°C.
- Prepare Roche VIII molecular weight marker): 4 μl marker in 6 μl TE (10.1) pH8.0 + 1 μl 10 X loading buffer. This is the quantity per well.
- Load 10 μl of the PCR reaction into the wells of the agarose gel.
- Run gel at 100 volts.