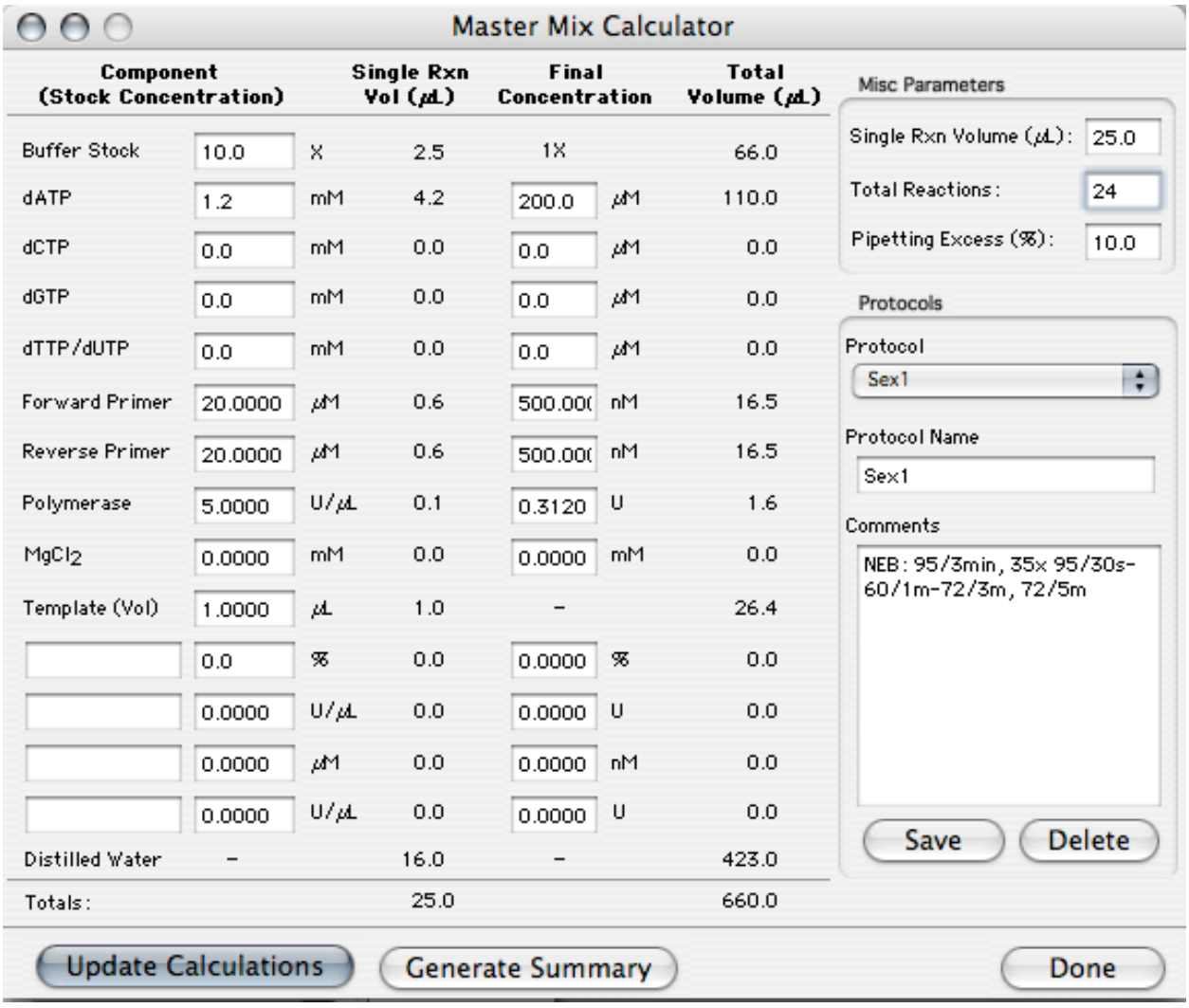
Sex GENOTYPING PROTOCOL

GENE NAME:
PCR PROTOCOL NAME: Sex1

PCR REAGENTS: 10X NEB THERMOPOL PCR BUFFER
NEB THERMOPOL TAQ POLYMERASE
dNTPs (1.25 uM Standard Working Concentration)

PRIMERS: Sex1 Forward (20uM Standard Working Concentration)
Sex1 Reverse (20uM Standard Working Concentration)

REACTION VOLUME: 26 ul (25 ul + 1ul DNA)
Add Master Mix to DNA



THERMOCYCLER CONDITIONS: Sex (or Sex1)

95 C for 3 min

95 C for 30 sec
60 C for 1 min 35 cycles
72 C for 3 min

72 C for 5 min
4 C forever

ELECTROPHORESIS CONDITIONS:

2% Agarose Gel (e.g. 1.5 g of Agarose per 150 ml of 0.5X TBE), 5ul EtBr
Use 20-well combs (not 30-well combs): 1 comb/gel
Add 4ul of Bromophenol Blue dye per PCR reaction
Use 100 bp Ladder (5ul)
Load maximum volume per well
Run 80 V for 0.5 hour
Score Females (340 bp) or Males (340bp & 301 bp)

COMMENTS: