# Team3ispA: PCR

**protocol:** PrimeStar **program:** PGXLx **thermocycler**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **source:**  *label* | *construct* | *concentration* | *location* | |
| sF1 | sFlexneri | 10uM | Box\_Team3ispA/\_\_ | |
| sF2 | sFlexneri | 10uM | Box\_Team3ispA/\_\_ | |
| SF dil20x  yP1  yP2  yP dil20x  sM1  sM2  sM dil20x  cB1  cB2  cB dil20x  sP1  sP2  sp dil20x | sFlexneri  yPseudo  yPseudo  yPseudo  sMarc  sMarc  sMarc  citrob  citrob  citrob  sPneum  sPneum  sPneum | dil20x  10uM  10uM  dil20x  10uM  10uM  dil20x  10uM  10uM  dil20x  10uM  10uM  dil20x | Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_  Box\_Team3ispA/\_\_ | |
| **samples:** |  |  |  | |
| *label* | *primer1* | *primer2* | *template product* | |
| ispA1  ispA2  ispA3  ispA4  ispA5 | sF1  yP1  sM1  cB1  sP1 | sF2  yP2  sM2  cB2  sP2 | sFlexneri P1  yPseudo P2  sMarc P3  citrob P4  sPneum P5 | |
| **Reaction:** |  |  | |  |
|  | 32 uL | ddH2O | | W |
|  | 10 uL | 5X PrimeSTAR GXL Buffer | | B |
|  | 4 uL | PrimeSTAR dNTP Mixture (2.5 mM each) | | D |
|  | 1 uL | 10uM primer 1 | | F |
|  | 1 uL | 10uM primer 2 | | R |
|  | 1 uL | dil20x plasmid template | | T |
|  | 1 uL | PrimeSTAR GXL DNA Polymerase | | P |
| **Notes:** |  |  | |  |

* Do only one thermocycler run for your section
* Never let enzymes warm up! Only take the enzyme cooler out of the freezer when you are actively using it, and only take the tubes out of it when actively dispensing. Hold the enzyme tube by the top of the tube while dispensing and do not place it in a rack.

# Team3ispA/back: PCR

**protocol:** PrimeStar **program:** PGxK55 **thermocycler**:

## source:

*label construct concentration*

*location*

o1 o1 10uM Box\_Team3ispA/\_\_

o2 o2 10uM Box\_Team3ispA/\_\_

T1 pLYC73S dil20x Terp1 /C2

## samples:

*label primer1 primer2 template product*

c1o1 o2 pLYC73S dil back1

|  |  |  |  |
| --- | --- | --- | --- |
| **Reaction:** |  | | |
|  | 32 uL | ddH2O | W |
|  | 10 uL | 5X PrimeSTAR GXL Buffer | B |
|  | 4 uL | PrimeSTAR dNTP Mixture (2.5 mM each) | D |
|  | 1 uL | 10uM primer 1 | F |
|  | 1 uL | 10uM primer 2 | R |
|  | 1 uL | dil20x plasmid template | T |
| **Notes:** | 1 uL | PrimeSTAR GXL DNA Polymerase | P |

* Do only one thermocycler run for your section
* Never let enzymes warm up! Only take the enzyme cooler out of the freezer when you are actively using it, and only take the tubes out of it when actively dispensing. Hold the enzyme tube by the top of the tube while dispensing and do not place it in a rack.