|  |  |  |
| --- | --- | --- |
| **C:\Users\hatfull lab\Desktop\2011 Teacher Workshop 6-9\Graphics and Logos\500px-UofPittsburgh_Seal.svg.png** | Phagehunting Program | C:\Users\hatfull lab\Desktop\2011 Teacher Workshop 6-9\Graphics and Logos\ForDarkBackgrounds-Logo.png |
| Macintosh HD:Users:Enoch:Desktop:New Protocols:Logos and Graphics:Workflow:PreparationPNG.png Macintosh HD:Users:Enoch:Desktop:New Protocols:Logos and Graphics:Workflow:IsolationPNG2.png Macintosh HD:Users:Enoch:Desktop:New Protocols:Logos and Graphics:Workflow:PurificationPNG.png C:\Users\Owner\Desktop\Protocol\picture\AmplificationWorkFlowgray.png Macintosh HD:Users:Enoch:Desktop:New Protocols:Logos and Graphics:Workflow:ExtractionPNG.png Macintosh HD:Users:Enoch:Desktop:New Protocols:Logos and Graphics:Workflow:CharacterizationPNG.png Macintosh HD:Users:Enoch:Desktop:New Protocols:Logos and Graphics:Workflow:SequencingPNG.png Macintosh HD:Users:Enoch:Desktop:New Protocols:Logos and Graphics:Workflow:AnnotationPNG.png Macintosh HD:Users:Enoch:Desktop:New Protocols:Logos and Graphics:Workflow:PhamerationPNG.png Macintosh HD:Users:Enoch:Desktop:New Protocols:Logos and Graphics:Workflow:FurtherDiscoveryPNG.png | | |
| ***M. smegmatis* Media Additions** | | |
| **BACKGROUND** | | |
|  | This is a reference table for the amount of additives to be added to media of *M. smegmatis*, as well as markers’ colors to denote their presence. | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Additive | | | Stock Conc. | Final Conc. | Add per | | |
| 100 mL | 500 mL | 1 L |
|  | ADC |  | 10X | 1X | 10 mL | 50 mL | 100 mL |
|  |  |
|  | CaCl2 |  | 0.1 M | 1 mM | 1 mL | 5 mL | 10 mL |
|  | Tween®80 |  | 20% | 0.05% | 250 μL | 1.25 mL | 2.5 mL |
|  | CB |  | 50 mg/mL | 50 μg/mL | 100 μL | 500 μL | 1 mL |
|  |  |
|  | CHX |  | 10 mg/mL | 10 μg/mL | 100 μL | 500 μL | 1 mL |
|  |  |
|  | Leucine |  | 10 mg/mL | 100 μg/mL | 1 mL | 5 mL | 10 mL |
|  |  |
|  | Kan |  | 50 mg/mL | 20 μg/mL | 40 μL | 200 μL | 400 μL |
|  |  |
|  | Hyg |  | 100 mg/mL | 150 μg/mL | 150 μL | 750 μL | 1.5 mL |
|  |  |
|  |  |
|  | Tet |  | 5 mg/mL | 2.5 μg/mL | 50 μL | 250 μL | 500 μL |
|  |  |
|  | Atc |  | 40 μg/mL | 40 ng/mL | 100 μL | 500 μL | 1 mL |
|  |  |
|  | CM |  | 100 mg/mL | 40 μg/mL | 40 μL | 200 μL | 400 μL |
|  | Gent (liq/plate) |  | 10 mg/mL | 2.5–10 μg/mL | 25/100 μL | 125/500 μL | 250 μL/1 mL |
|  |  |
|  | Apr |  | 100 mg/mL | 50 μg/mL | 50 μL | 250 μL | 500 μL |
|  | INH |  | 50 mg/mL | 25 μg/mL | 50 μL | 250 μL | 500 μL |
|  |  |
|  |  |
|  | ETH |  | 50 mg/mL | 25 μg/mL | 50 μL | 250 μL | 500 μL |
|  |  |
|  |  |
|  | RIF |  | 50 mg/mL | 200 μg/mL | 400 μL | 2 mL | 4 mL |
|  |  |
|  |  |
|  | STR |  | 50 mg/mL | 20 μg/mL | 40 μL | 200 μL | 400 μL |
|  |  |
|  | OFX |  | 500 μg/mL | 0.5 μg/mL | 100 μL | 500 μL | 1 mL |
|  |  |
|  |  |
|  | EMB |  | 50 mg/mL | 10 μg/mL | 20 μL | 100 μL | 200 μL |
|  |  |
|  | X-Gal |  | 50 mg/mL | 40 μg/mL | 80 μL | 400 μL | 800 μL |
|  |  |
|  | 5-FOA |  | N/A | 1 mg/mL | 100 mg | 500 mg | 1 g |
|  |  |
|  |  |
|  | Ura |  | 200 mM | 0.2 mM | 100 μL | 500 μL | 1 mL |
|  |  |