Resuspending gBlocks and Primers Protocol
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Source(s): IDT instructions for resuspension

Materials:
- gBlock gene fragments
- Primers
- Sterile H₂O

Procedure for gBlocks:

1. Before opening the tube, centrifuge the tube for 3-5 seconds to ensure the DNA is in the bottom of the tube as pellet can be statically charged. Without this step, DNA can fly out of the tube or remain in the cap, resulting in loss of yield
2. Add molecular grade water, or a buffer such as IDTE, to reach a final concentration of 10 ng/µL. Our experiments have shown that storage concentrations <1ng/µL result in loss of material due to adherence to the plastic tube in the absence of a carrier such as tRNA
3. Vortex briefly
4. Incubate at approximately 50 °C for 15-20 minutes. This will ensure the solvent comes in contact with the pellet and increase the likelihood that the entire pellet will be resuspended
5. Briefly vortex and centrifuge
6. Verify the final concentration

Procedure for primers:

1. Using molecular grade water – x10 to the nmole listed on the sheet for the oligo
2. So for a 100 µM stock – x10 in µl
3. Vortex and heat at 50 °C for 15 minutes, vortex and centrifuge