

Protocols for Digestion of pQE30::alphaSNAP
iGEM Grenoble-EMSE-LSU 2013
Stewart Humble (stewhum1@me.com)
June 2013

Restriction enzyme digestion of plasmid DNA:

- 1) Prepare buffer IV, DNA, BamHI, KpnI
- 2) Digest 800 ng pQE30::alphaSNAP with 1 U of the different restriction enzymes. Test the digest with 0, 1 or 2 enzymes that are active in the same buffer.

Volumes (μL)	Sample 1	Sample 2	Sample 3	Sample 4
React buffer 4	2	2	2	2
DNA	800 ng	200 ng	200 ng	200 ng
BamH1	1	1	0	0
Kpn1	1	0	1	0
H ₂ O	complete to 20 μl	complete to 20 μl	complete to 20 μl	complete to 20 μl

- 3) Incubate ON at 37°C.