

Gradient Sequencing Gels

recipe for 2 or 3 gels [3 gels if your careful!]

	0.5x	5.0x
Acrylamide	12gm	3gm
Bis	0.6gm	0.15gm
Urea	92gm	23gm
10xSTBE	10ml	25ml
H2O	100ml	---
Sucrose	---	5gm
2%BPB	---	250ul

Total	200ml	50ml
10%APS	750ul	186ul
At time of pouring.		
TEMED [each gel]	60-80ul	20ul

Pouring a gradient gel; [the 5x solution will be blue due to the bromphenol blue.]
[add TEMED at this point] in a 25 ml glass pipette draw approximately 7ml of the 0.5x solution then draw up 7ml of the blue 5x solution . Allow bubbles to gently mix the two solutions slightly. Add the mixed solutions to the gel plates. Complete filling the plates with the clear 0.5x solution using a 50-60ml syringe.