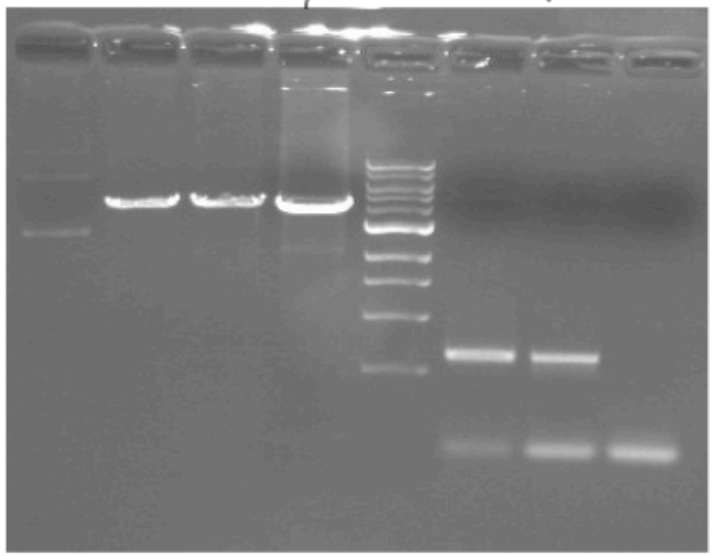
DNA Engineering
M1D5

20.109

09.28.10

Quick review of figures and legends

1 2 3 4 5 6 7 8



ladder bp

Fig #. Title

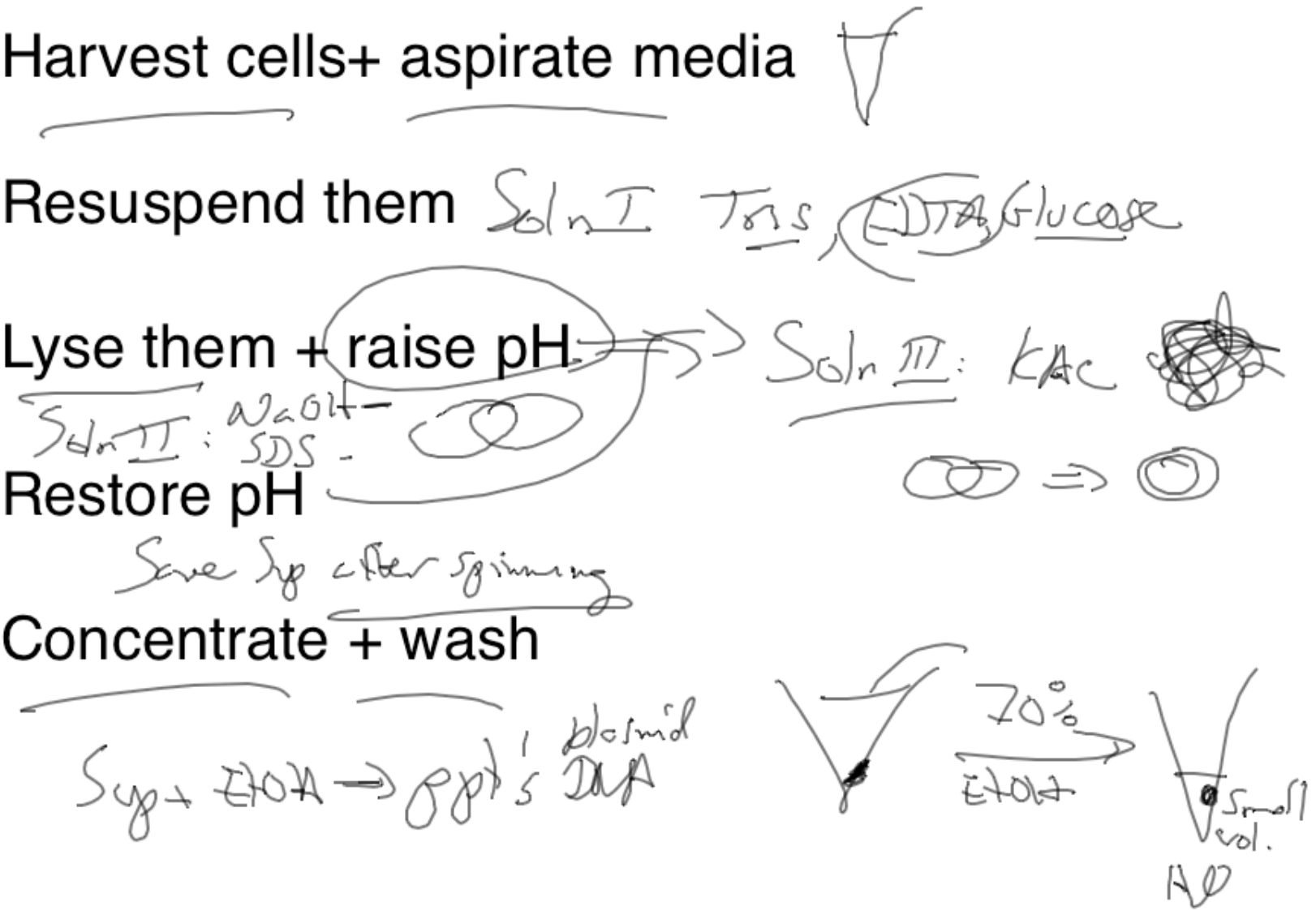
Agarose gel electrophoresis was used to isolate bkb (pCXnWX) + frg (Δ5 GFP)...

Uncut pCX-nWX (lane 1), the cut ---

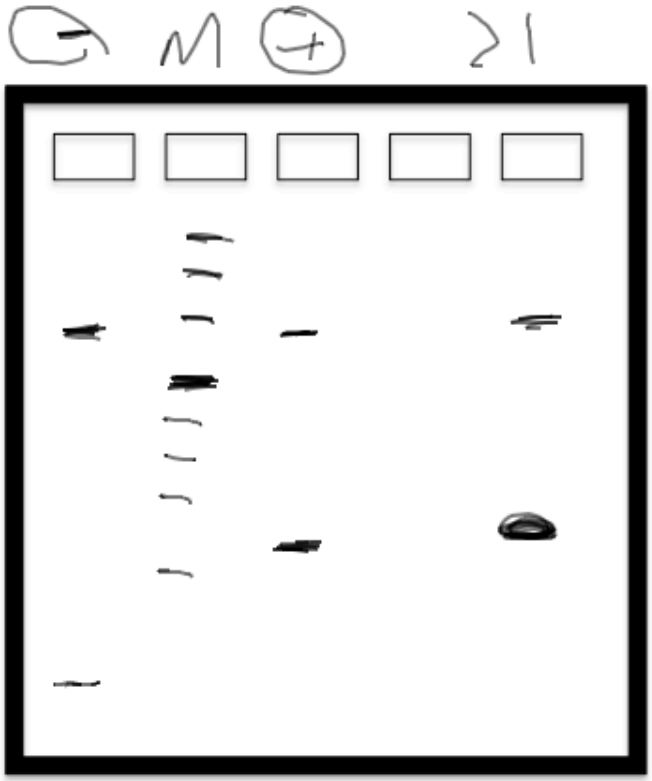
DNA frag in lanes 4+6 were excise + used in ligation

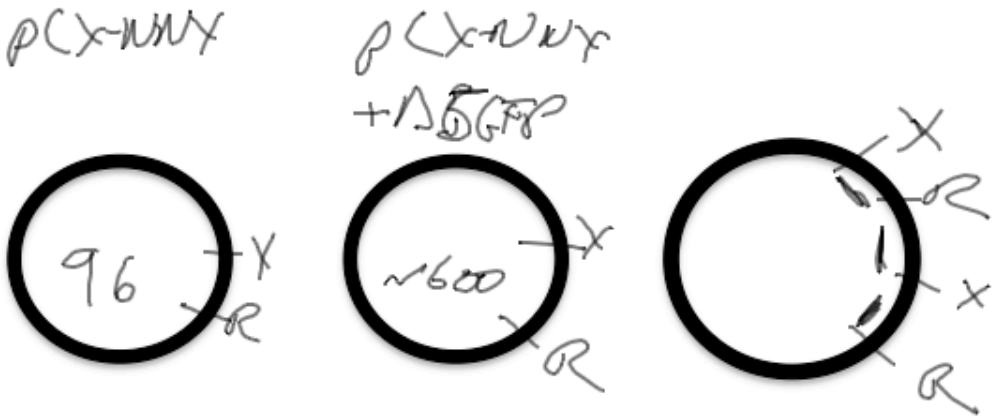
Isolating DNA from bacteria: DNA Miniprep

- Harvest cells+ aspirate media
- Resuspend them
- Lyse them + raise pH
- Restore pH
- Concentrate + wash



Diagnostic Digests: XbaI and RI?





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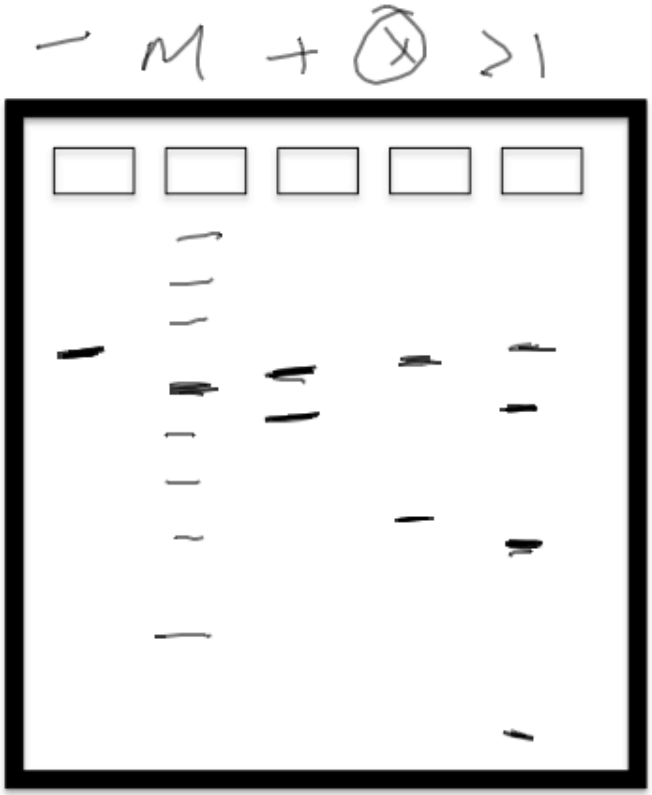
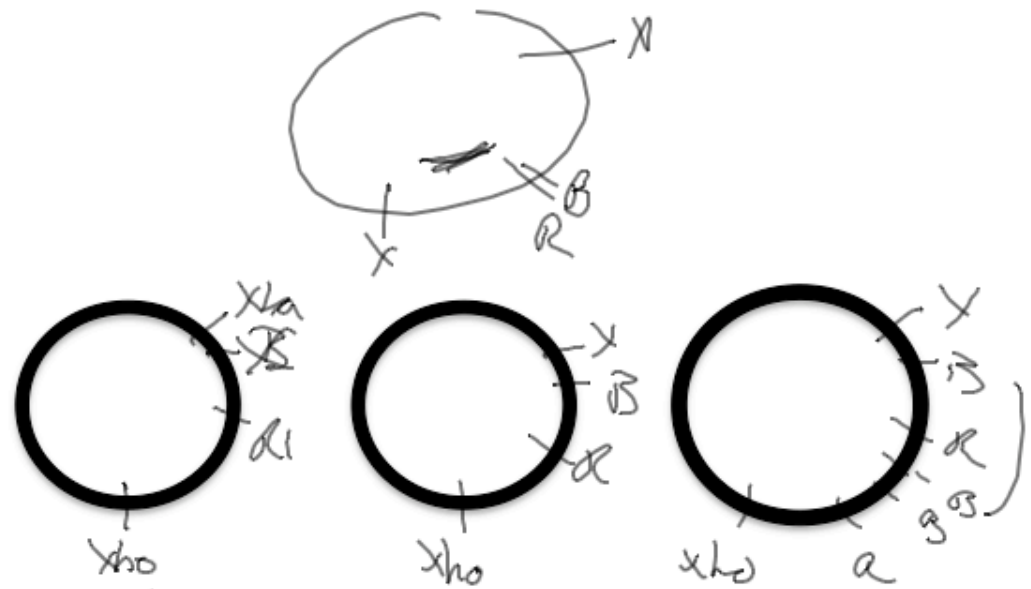
Diagnostic Digests: BamHI and XhoI?





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Also consider: compatible buffers, reaction temperatures, results if one enzyme doesn't cut

This week in lab:

T) minip / Digest / EHS
exchange papers w/ partners

W) $\frac{1}{2}$ + ∠

$\frac{1}{2}$ gel/peer review

Th) 2 - 4:30 in lab ?

Team Color	5 ng pCX-EGFP	B+ i, no ligase	B, + ligase	B+ i, + ligase *list each plate*
RED	2,000	0	21	133, 177
ORANGE	628	0	21	87
YELLOW	6000	0	5	51, 51
GREEN	5,000	12	108	544, 427
BLUE	2000	8	16	200, 260
PINK	4,320	4	30	336, 350
GRAPE	5720	8	60	302, 278
PLATINUM	640	32	8	25, 15