Q & A

Why is the NFR peak at ~200 bp?

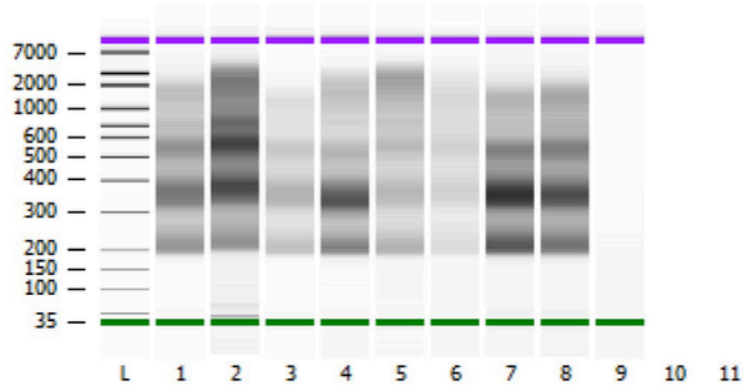
-> around 150 bp EXCLUDING the insert

TN5 covers at least 9bp plus steric interference

~75 bp

~70 bp

BioA results



Version: 1.03

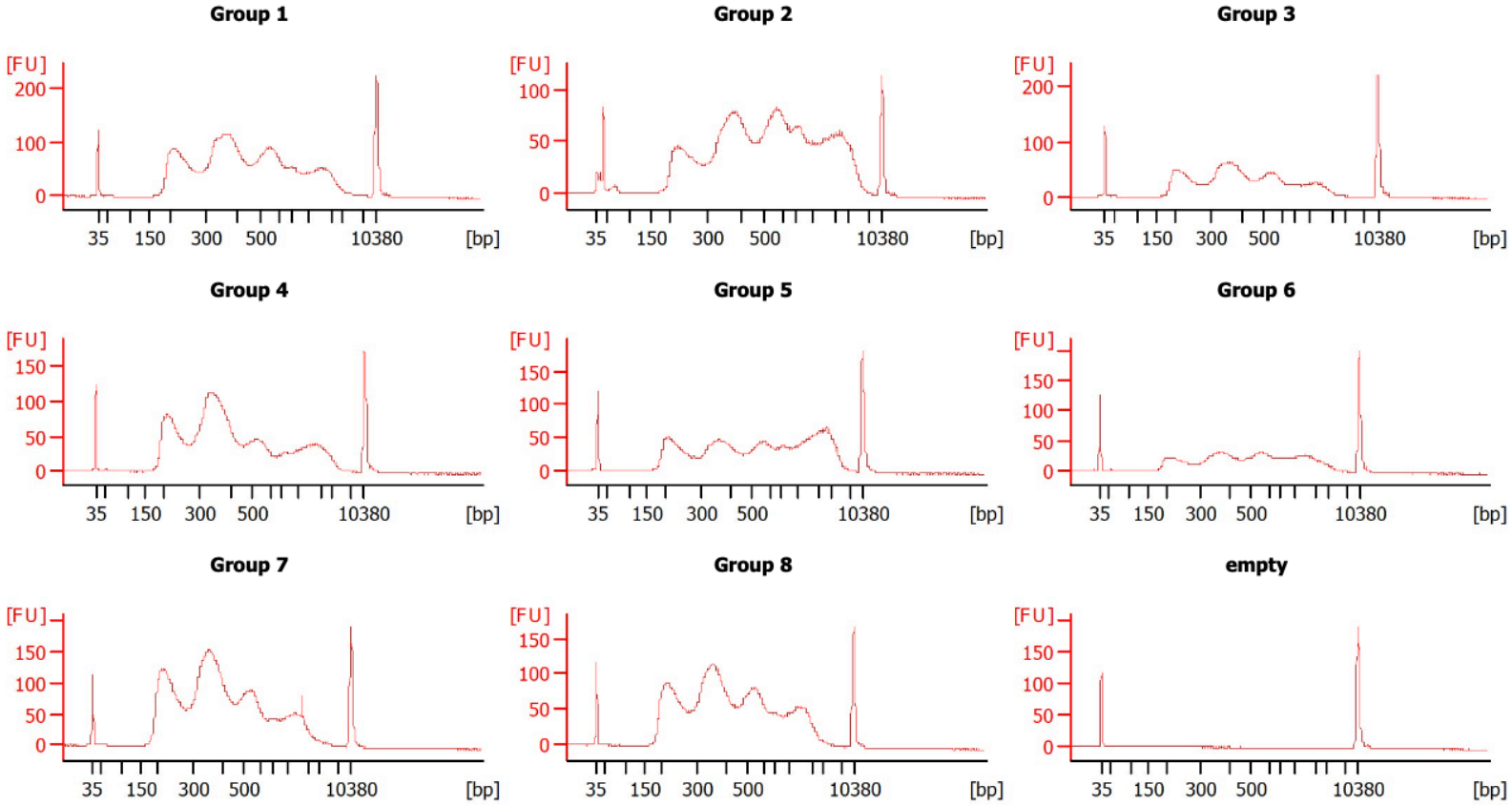
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

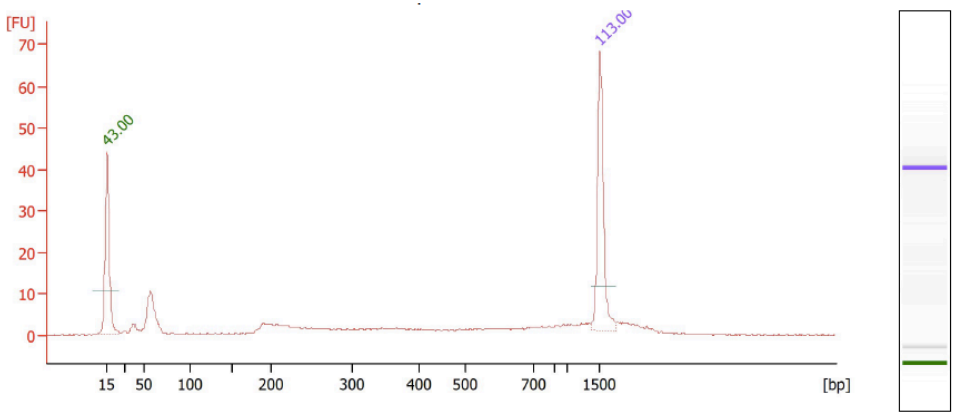


Pre-Sequencing QC

transposition of dead cells

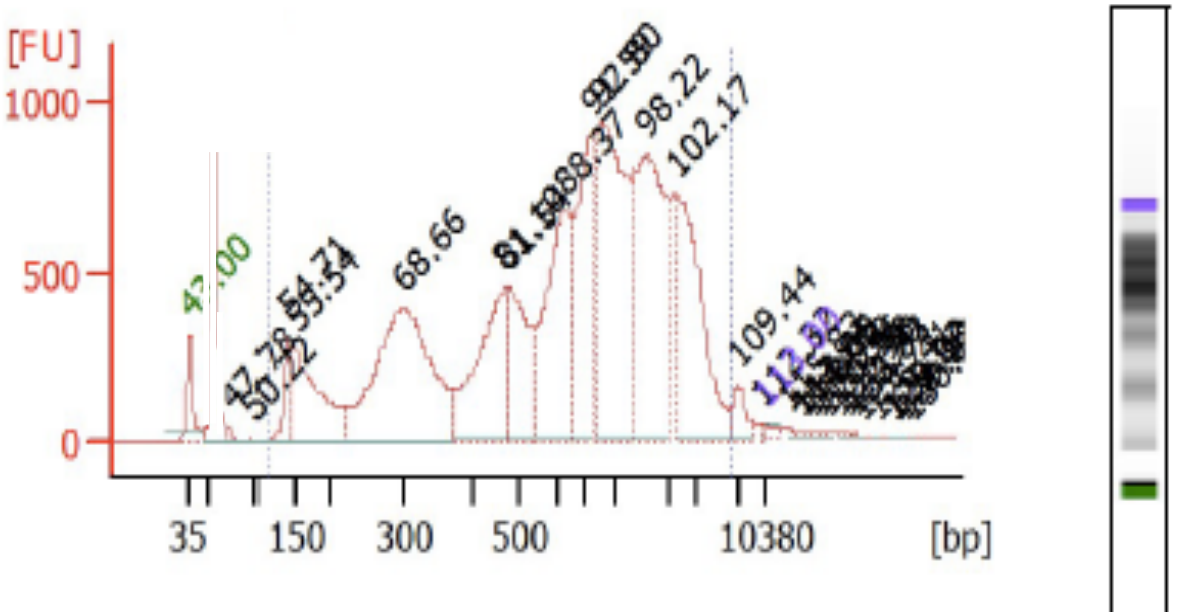
A part of dead cells in a sample is sometimes already sufficient to spoil the whole sample

Bioanalyzer showing no nucleosome ‘bumps’, usually high primer dimer amount

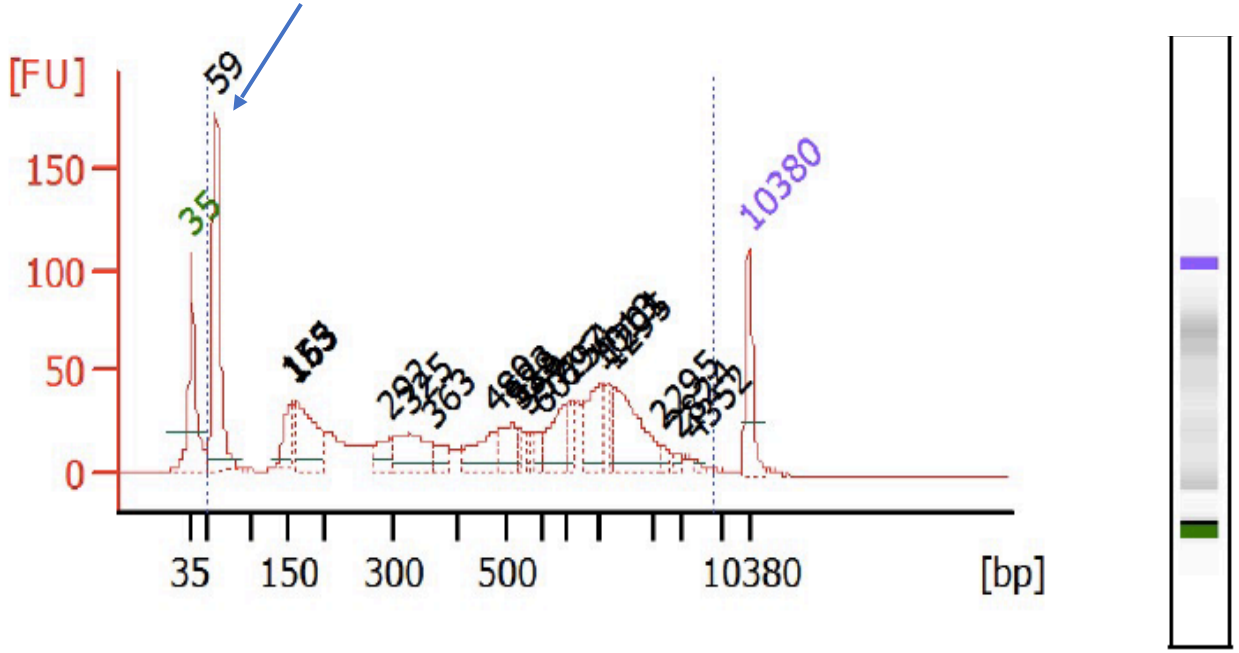


To remove dead cells:
Ficoll gradient, sorting, DNAse treatment

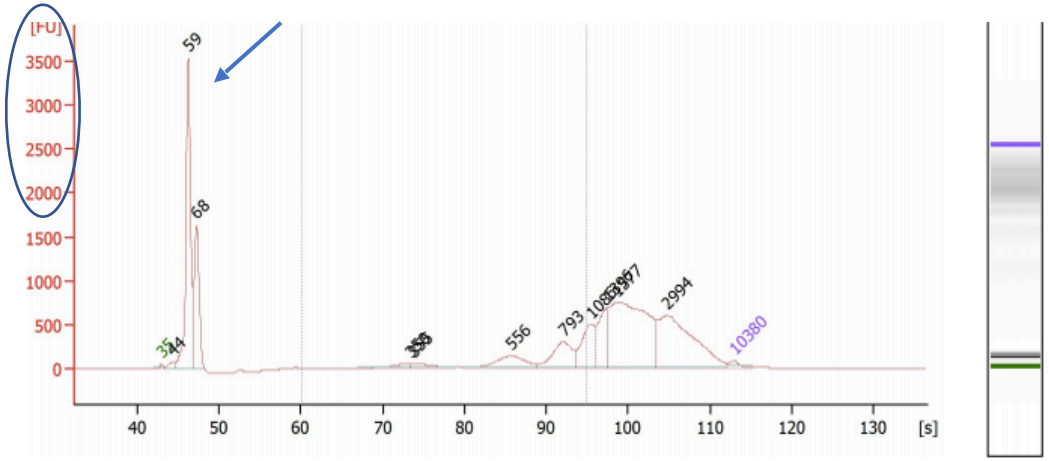
High molecular weight BioA



High primer amount BioA

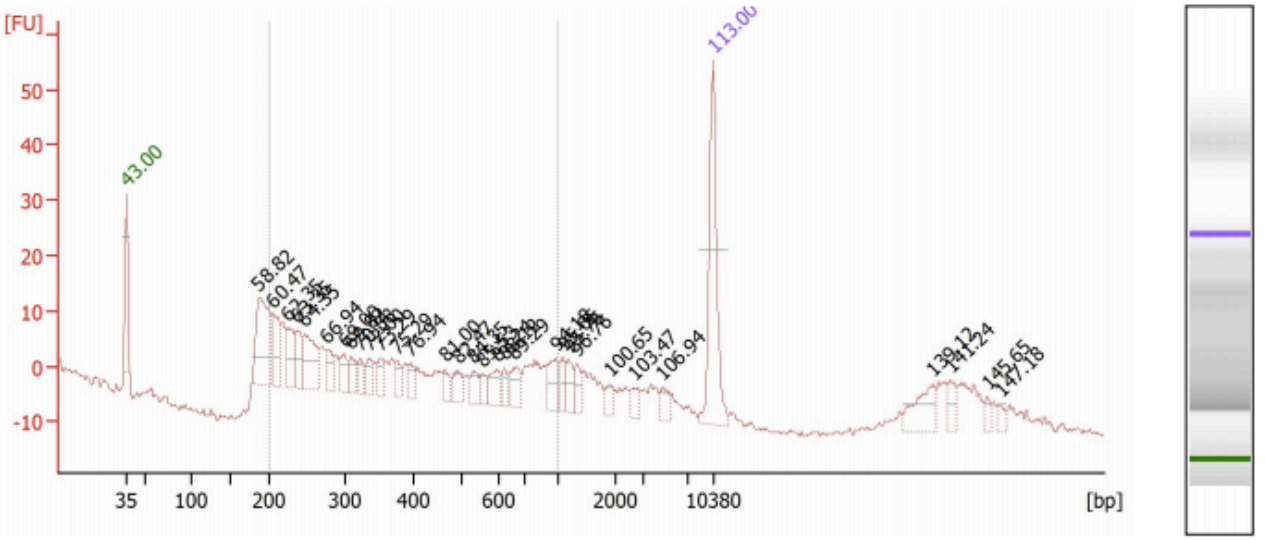


Overloaded BioA Chip



Looked totally good after primer cleanup!

Uneven baseline



Reasons:
overloaded?
Overloaded before your sample?
Ethanol leftover after cleanup?