

**Full interpretation of the results requires you to look at the individual melt curves.**

**The summary graph appears to be unreliable**

**32%** of curves were used in  $T_m$  estimations

Average estimation of error is **0.2 C**

Protein as supplied is **not well behaved**

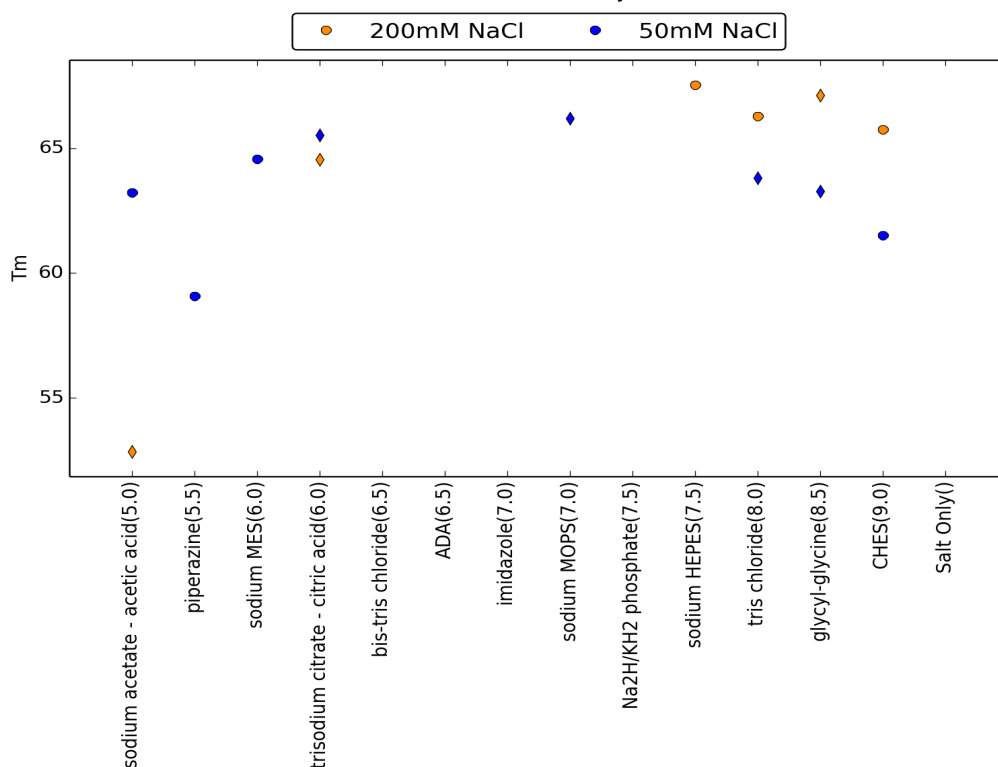
Protein as supplied:  $T_m$  = N/A

Lysozyme Control: Passed

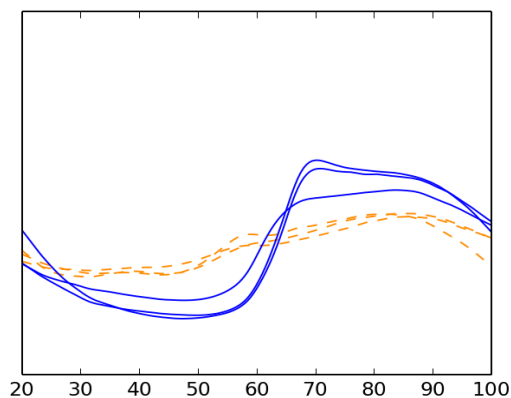
No Dye Control: Passed

No Protein Control: Passed

Tms drawn in diamonds may be unreliable

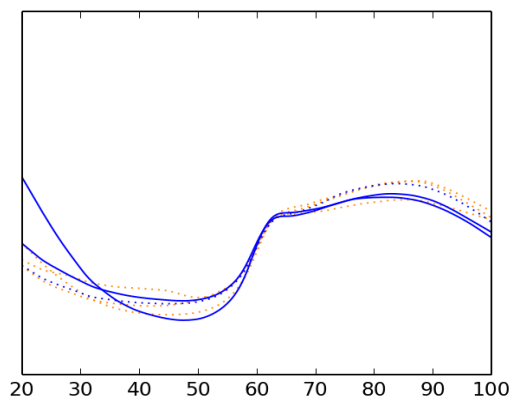


**Highest  $T_m$  = 67.54 +/- 0.01**  
**(sodium HEPES / 200mM NaCl)**



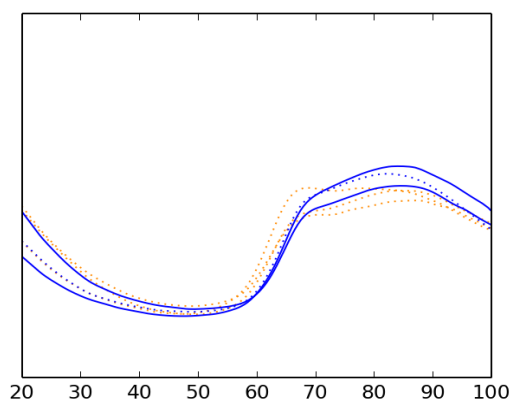
### sodium acetate - acetic acid (5.0)

Grouped by	Tm
200mM NaCl	52.85 (+/-0.27)^
50mM NaCl	63.22 (+/-2.06)



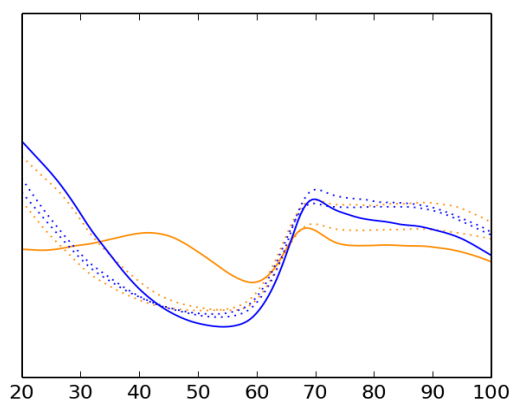
### piperazine (5.5)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	None	
50mM NaCl	59.07 (+/-0.02)	4.79



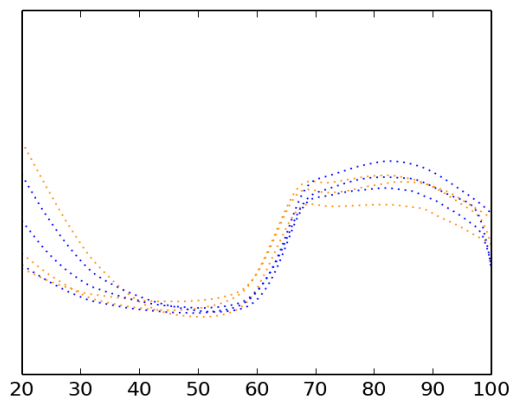
### sodium MES (6.0)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	None	
50mM NaCl	64.58 (+/-0.11)	5.65



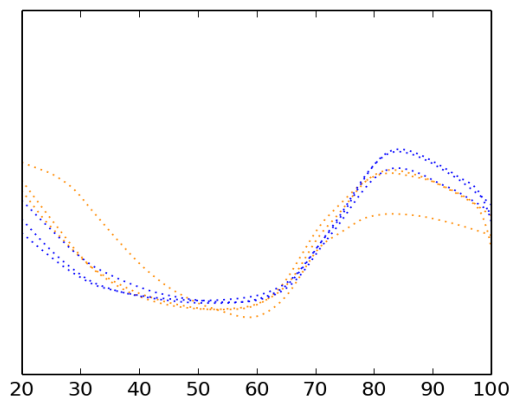
### trisodium citrate - citric acid (6.0)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	64.55	6.17
50mM NaCl	65.53	6.18



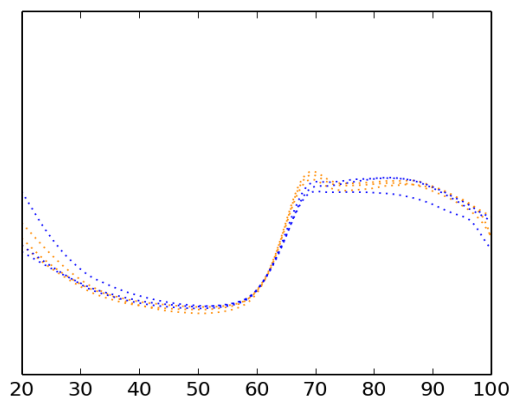
### bis-tris chloride (6.5)

Grouped by	Tm
200mM NaCl	None
50mM NaCl	None



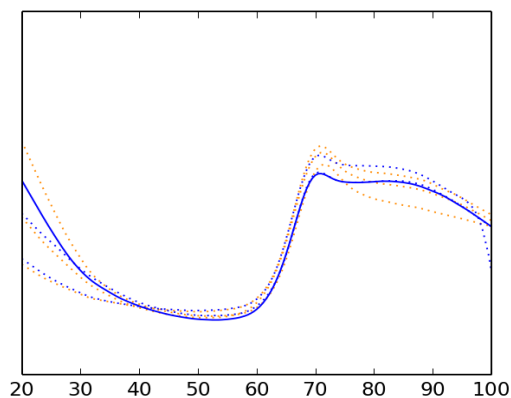
### ADA (6.5)

Grouped by	Tm
200mM NaCl	None
50mM NaCl	None



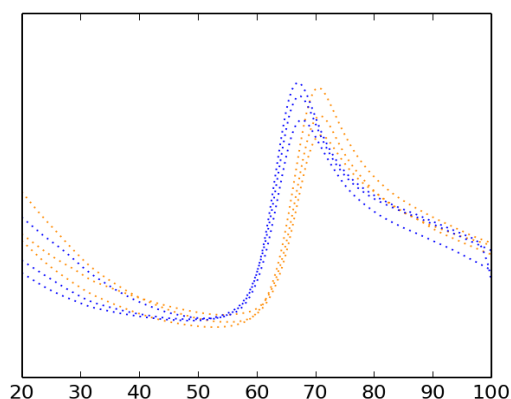
### imidazole (7.0)

Grouped by	Tm
200mM NaCl	None
50mM NaCl	None



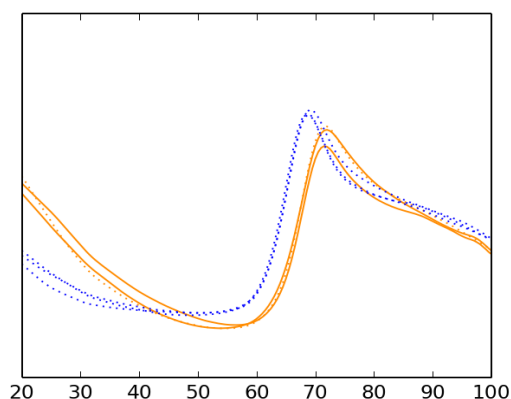
### sodium MOPS (7.0)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	None	
50mM NaCl	66.19	6.62



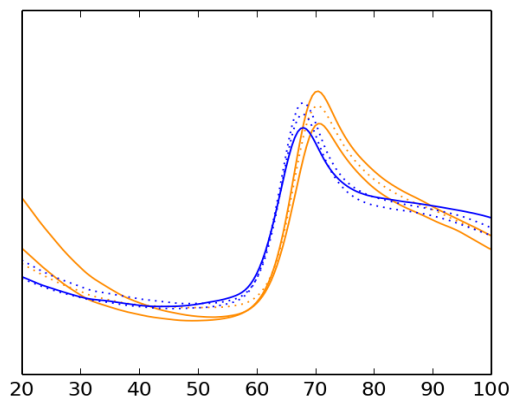
### Na2H/KH2 phosphate (7.5)

Grouped by	Tm
200mM NaCl	None
50mM NaCl	None



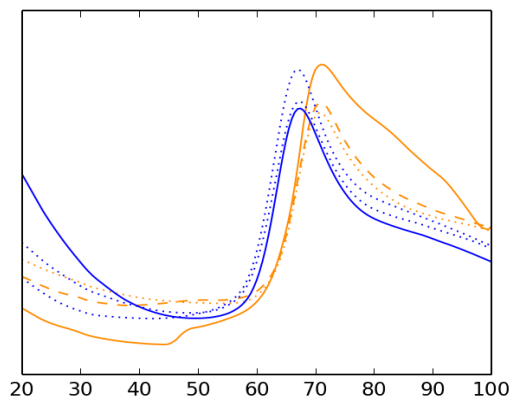
### sodium HEPES (7.5)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	67.54 (+/-0.01)	7.21
50mM NaCl	None	



### tris chloride (8.0)

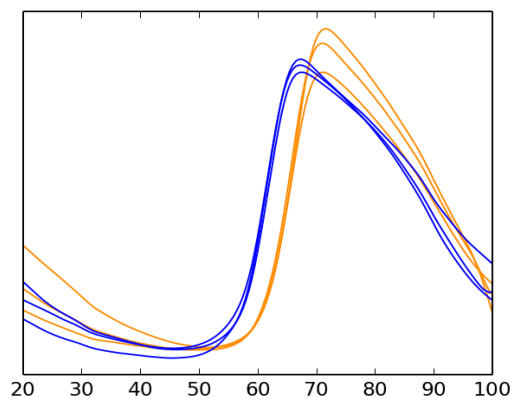
Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	66.29 (+/-0.15)	7.06
50mM NaCl	63.82	7.11



### glycyl-glycine (8.5)

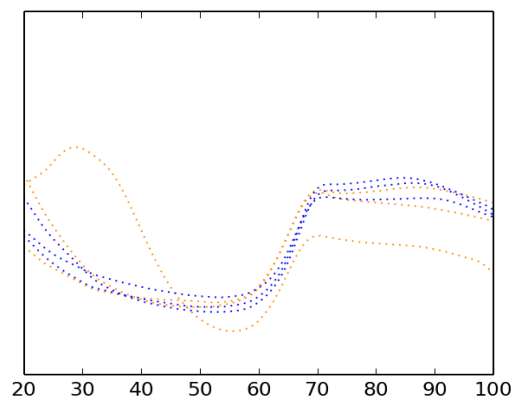
Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	67.12 (+/-0.28)^	7.71
50mM NaCl	63.27	7.78

Monotonic, saturated, in the noise, and outlier curves are dotted, and excluded from Tm calculations  
Curves drawn with dashed lines have unreliable Tm estimates



### CHES (9.0)

Grouped by	Tm	Adjusted pH at Tm
200mM NaCl	65.77 (+/-0.26)	8.45
50mM NaCl	61.51 (+/-0.15)	8.5



### Salt Only ( )

Grouped by	Tm
200mM NaCl	None
50mM NaCl	None

Monotonic, saturated, in the noise, and outlier curves are dotted, and excluded from Tm calculations  
Curves drawn with dashed lines have unreliable Tm estimates