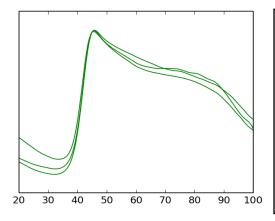
## **MELTDOWN**

## Melt Curve Analysis

AS\_30194\_buffer\_screen\_9\_081113 - Melt...





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

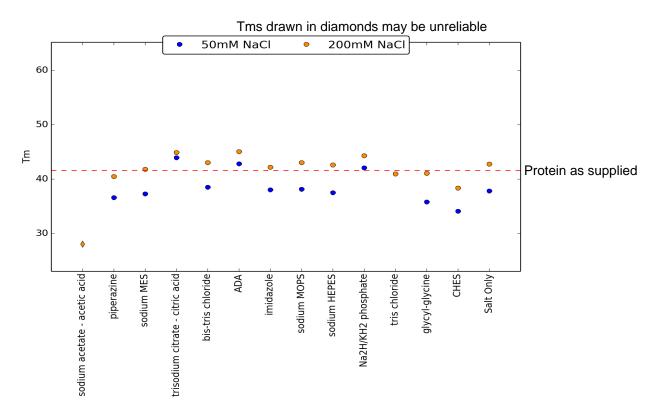
82% of curves were used in Tm estimations

Average estimation of error is 0.2 C

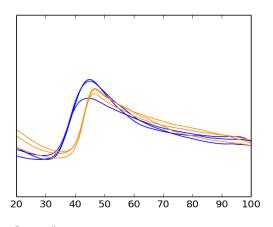
Protein as supplied is well behaved

Protein as supplied: Tm = 41.62(+/-0.15)

Lysozyme Control: Passed No Dye Control: Passed No Protein Control: Passed



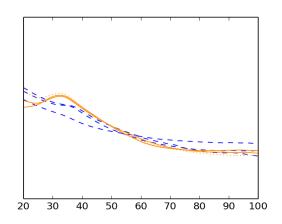
Highest Tm = 45.07 +/- 0.15 (ADA / 200mM NaCl)



Salt Only ()

Grouped by Tm

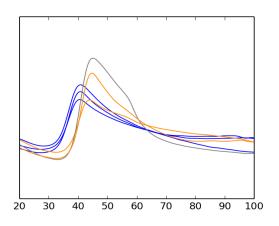
50mM NaCl 37.84 (+/-0.54) 200mM NaCl 42.78 (+/-0.06)



sodium acetate - acetic acid (5.0)

Grouped by Tm 50mM NaCl None

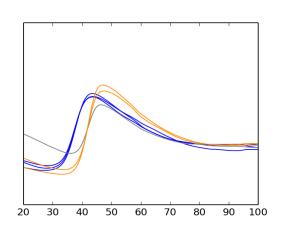
200mM NaCl 28.05 (+/-0.67)^



piperazine (5.5)

Grouped by Tm Adjusted pH at Tm

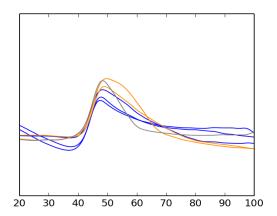
50mM NaCl 36.61 (+/-0.08) 5.2 200mM NaCl 40.48 (+/-0.44) 5.13



sodium MES (6.0)

Grouped by Tm Adjusted pH at Tm

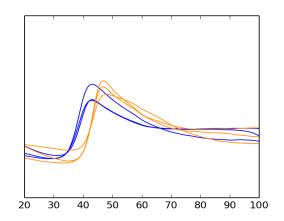
50mM NaCl 37.29 (+/-0.16) 5.87 200mM NaCl 41.83 (+/-0.01) 5.83



trisodium citrate - citric acid (6.0)

Grouped by Tm Adjusted pH at Tm

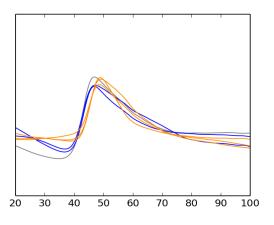
50mM NaCl 43.94 (+/-0.13) 6.09 200mM NaCl 44.93 (+/-0.03) 6.1



bis-tris chloride (6.5)

Grouped by Tm Adjusted pH at Tm

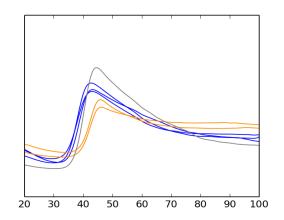
50mM NaCl 38.52 (+/-0.29) 6.26 200mM NaCl 43.07 (+/-0.07) 6.2



ADA (6.5)

Grouped by Tm Adjusted pH at Tm

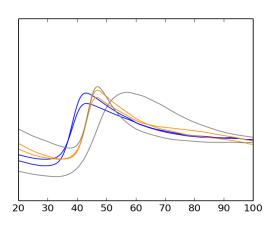
50mM NaCl 42.86 (+/-0.13) 6.42 200mM NaCl 45.07 (+/-0.15) 6.41



imidazole (7.0)

Grouped by Tm Adjusted pH at Tm

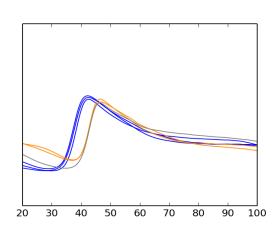
50mM NaCl 38.04 (+/-0.32) 6.69 200mM NaCl 42.19 (+/-0.0) 6.62



sodium MOPS (7.0)

Grouped by Tm Adjusted pH at Tm

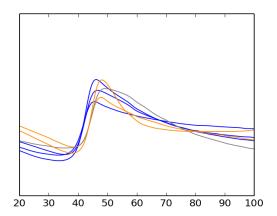
50mM NaCl 38.14 (+/-0.13) 6.85 200mM NaCl 43.05 (+/-0.07) 6.81



sodium HEPES (7.5)

Grouped by Tm Adjusted pH at Tm

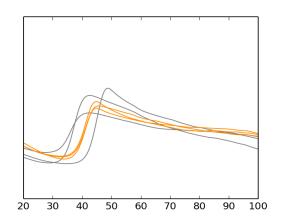
50mM NaCl 37.52 (+/-0.45) 7.39 200mM NaCl 42.62 (+/-0.01) 7.36



Na2H/KH2 phosphate (7.5)

Grouped by Tm Adjusted pH at Tm

50mM NaCl 42.07 (+/-0.25) 7.62 200mM NaCl 44.3 (+/-0.13) 7.63

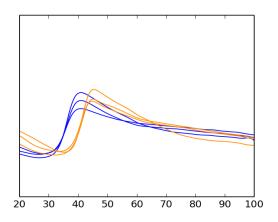


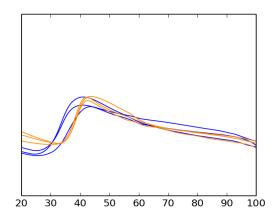
tris chloride (8.0)

Grouped by Tm Adjusted pH at Tm

50mM NaCl None

200mM NaCl 40.99 (+/-0.03) 7.58





glycyl-glycine (8.5)
Grouped by Tm Adjusted pH at Tm
50mM NaCl 35.81 (+/-0.19) 8.24

41.08 (+/-0.16)

8.15

200mM NaCl

CHES (9.0) Grouped by 50mM NaCl 200mM NaCl

Tm Adjusted pH at Tm 34.14 (+/-1.09) 8.83 8.38 (+/-0.12) 8.78