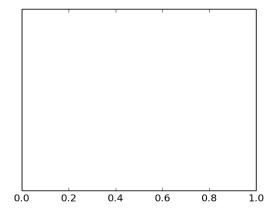
## **MELTDOWN**

## Melt Curve Analysis

HeV\_buffer screen SEC\_Pearce\_020514 - ...





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

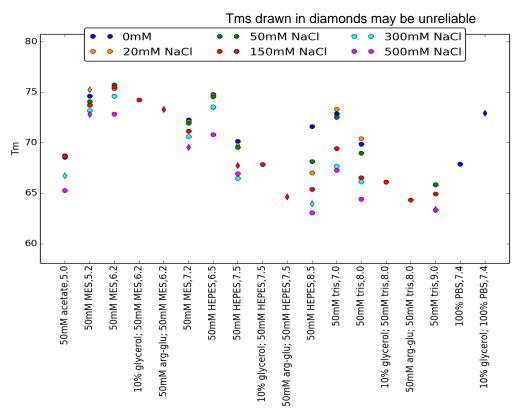
**95%** of curves were used in Tm estimations

Average estimation of error is **0.5** C

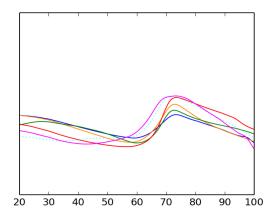
Protein as supplied is not found

Protein as supplied: Tm = N/A

Lysozyme Control: Not found No Dye Control: Not found No Protein Control: Not Found



Highest Tm = 75.75 (50mM MES / 50mM NaCl)

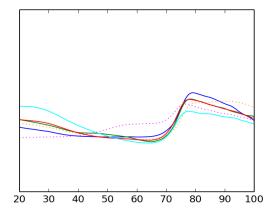


Condition: 50mM acetate (5.0)

Salt: 0mM 20mM NaCl 50mM NaCl Tm: 68.59 68.69 68.73 150mM NaCl 300mM NaCl 500mM NaCl

65.3

68.67 66.75^

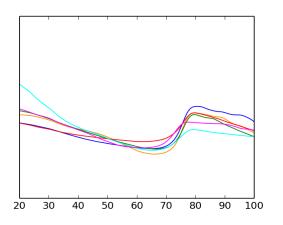


Condition: 50mM MES (5.2)

Salt: 0mM 20mM NaCl 50mM NaCl

Tm: 74.62 75.24^ 74.08

150mM NaCl 300mM NaCl 500mM NaCl 72.82^ 73.72 73.19

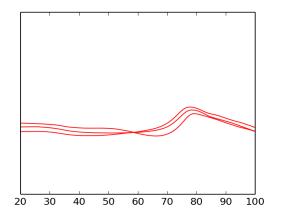


Condition: 50mM MES (6.2)

Salt: 0mM 20mM NaCl 50mM NaCl Tm: 75.4 75.36 75.75

> 150mM NaCl 300mM NaCl 500mM NaCl

75.54 74.61 72.86



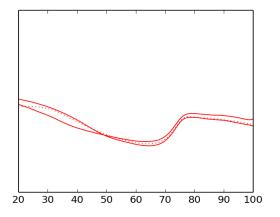
Condition: 10% glycerol; 50mM MES (6.2)

Salt: 0mM 20mM NaCl 50mM NaCl

Tm: None None None

> 150mM NaCl 300mM NaCl 500mM NaCl

74.25 (+/-0.94) None None

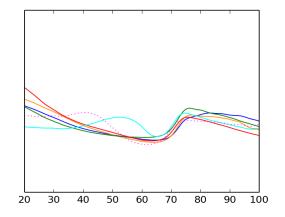


Condition: 50mM arg-glu; 50mM MES (6.2)

Salt: 0mM 20mM NaCl 50mM NaCl

Tm: None None None 150mM NaCl 300mM NaCl 500mM NaCl

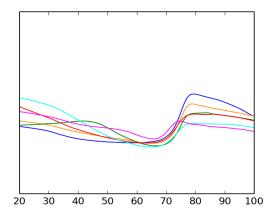
> 73.31 (+/-0.04)^None None



Condition: 50mM MES (7.2)

Salt: 0mM 20mM NaCl 50mM NaCl Tm: 72.28 72.1 71.95

150mM NaCl 300mM NaCl 500mM NaCl 71.16 70.61 69.54^



Condition: 50mM HEPES (6.5)

 Salt: 0mM
 20mM NaCl
 50mM NaCl

 Tm: 74.78
 74.72
 74.57

150mM NaCl 300mM NaCl 500mM NaCl 73.53 73.56 70.8

20 30 40 50 60 70 80 90 100

Condition: 10% glycerol; 50mM HEPES (7.5)
Salt: 0mM 20mM NaCl 50mM NaCl

Tm: None None None

150mM NaCl 300mM NaCl 500mM NaCl

67.85 (+/-0.17) None None

20 30 40 50 60 70 80 90 100

Condition: 50mM HEPES (8.5)

**Salt**: 0mM 20mM NaCl 50mM NaCl Tm: 71.62 67.03 68.15

150mM NaCl 300mM NaCl 500mM NaCl

65.39 63.96^ 63.07

20 30 40 50 60 70 80 90 100

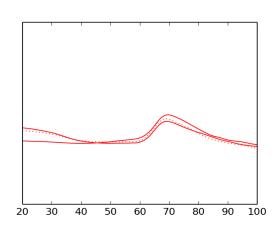
Condition: 50mM HEPES (7.5)

 Salt: 0mM
 20mM NaCl
 50mM NaCl

 Tm: 70.15
 69.74^
 69.55

150mM NaCl 300mM NaCl 500mM NaCl

67.75^ 66.5 66.94



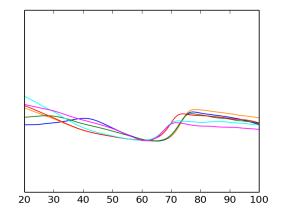
Condition: 50mM arg-glu; 50mM HEPES (7.5)

Salt: 0mM 20mM NaCl 50mM NaCl

Tm: None None None

150mM NaCl 300mM NaCl 500mM NaCl

64.65 (+/-0.25)^None None

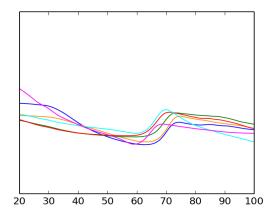


Condition: 50mM tris (7.0)

Salt: 0mM 20mM NaCl 50mM NaCl

Tm: 72.88 73.34 72.52 150mM NaCl 300mM NaCl 500mM NaCl

69.43 67.69 67.28



Condition: 50mM tris (8.0)

Salt: 0mM 20mM NaCl 50mM NaCl Tm: 69.87 70.42 68.97 150mM NaCl 300mM NaCl 500mM NaCl

66.56 66.14 64.43

20 30 40 50 60 70 80 90 100

Condition: 50mM arg-glu; 50mM tris (8.0)
Salt: 0mM 20mM NaCl 50mM NaCl
Tm: None None None

150mM NaCl 300mM NaCl 500mM NaCl

64.34 (+/-0.35) None None

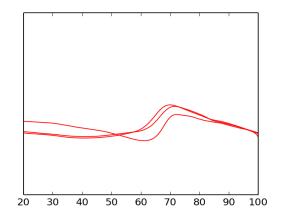
20 30 40 50 60 70 80 90 100

Condition: 100% PBS (7.4)

Salt: 0mM 20mM NaCl 50mM NaCl

Tm: 67.89 (+/-0.95) None None 150mM NaCl 300mM NaCl 500mM NaCl

None None None

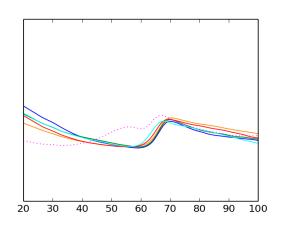


Condition: 10% glycerol; 50mM tris (8.0)

Salt: 0mM 20mM NaCl 50mM NaCl Tm: None None None

150mM NaCl 300mM NaCl 500mM NaCl

66.13 (+/-1.23) None None



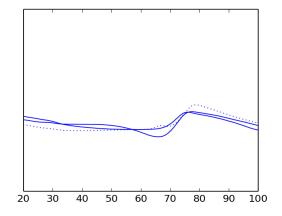
Condition: 50mM tris (9.0)

Salt: 0mM 20mM NaCl 50mM NaCl

Tm: 65.87 65.85 65.87

150mM NaCl 300mM NaCl 500mM NaCl

64.93 63.34 63.39^



Condition: 10% glycerol; 100% PBS (7.4)
Salt: 0mM 20mM NaCl 50mM NaCl

Tm: 72.94 (+/-1.1)^ None None

150mM NaCl 300mM NaCl 500mM NaCl

None None None