



Thermostability of Enterokinase (Cat#G699)

The evaluation of Enterokinase activity after incubation at different temperatures (1.5 hours of digestion time). Results are summarized in the following table.

Reaction Temperature (degree Celsius)	% of Substrate Cleaved
0 (on ice)	50.0%
4 (in refrigerator)	70.0%
25 (room temperature)	95.0%
35	100.0%
42	100.0%
55	100.0%
65	10.0%
75	0.0%
85	0.0%
95	0.0%

Our Enterokinase works the most efficiently between room temperature and 55 degrees Celsius. Below room temperature, the rate decreases, and requires longer time for reaction to reach completion. Above 55 degrees Celsius, EK activity drops significantly.