

# SingleOrDefault vs FirstOrDefault

1) 20 000 records in list

Method	Mean	Error	StdDev	Gen0	Allocated
SingleOrDefault	30.52 ns	1.278 ns	3.687 ns	0.0085	40 B
FirstOrDefault	24.30 ns	0.511 ns	0.588 ns	0.0085	40 B

2) 1 000 000 records in list

Method	Mean	Error	StdDev	Gen0	Allocated
SingleOrDefault	24.42 ns	0.520 ns	0.599 ns	0.0085	40 B
FirstOrDefault	23.24 ns	0.483 ns	0.610 ns	0.0085	40 B

3) 2 000 000 records in list

Method	Mean	Error	StdDev	Gen0	Allocated
SingleOrDefault	24.68 ns	0.508 ns	0.564 ns	0.0085	40 B
FirstOrDefault	23.28 ns	0.428 ns	0.379 ns	0.0085	40 B

4) 3 000 000 records in list

Method	Mean	Error	StdDev	Gen0	Allocated
SingleOrDefault	24.63 ns	0.486 ns	0.454 ns	0.0085	40 B
FirstOrDefault	23.37 ns	0.434 ns	0.385 ns	0.0085	40 B