

# quality control

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If I know a product fails .01% of the time and I have 1500 items I'm running through a process. How many items do I need to check with, say, 99% confidence that all the items are built correctly.

I'm thinking either Poisson or Geometric distribution is applicable, but what would the formula be. Also, what key words should I be searching for. I know I've come across this problem many years ago but stuck on finding where.

Thanks,  
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