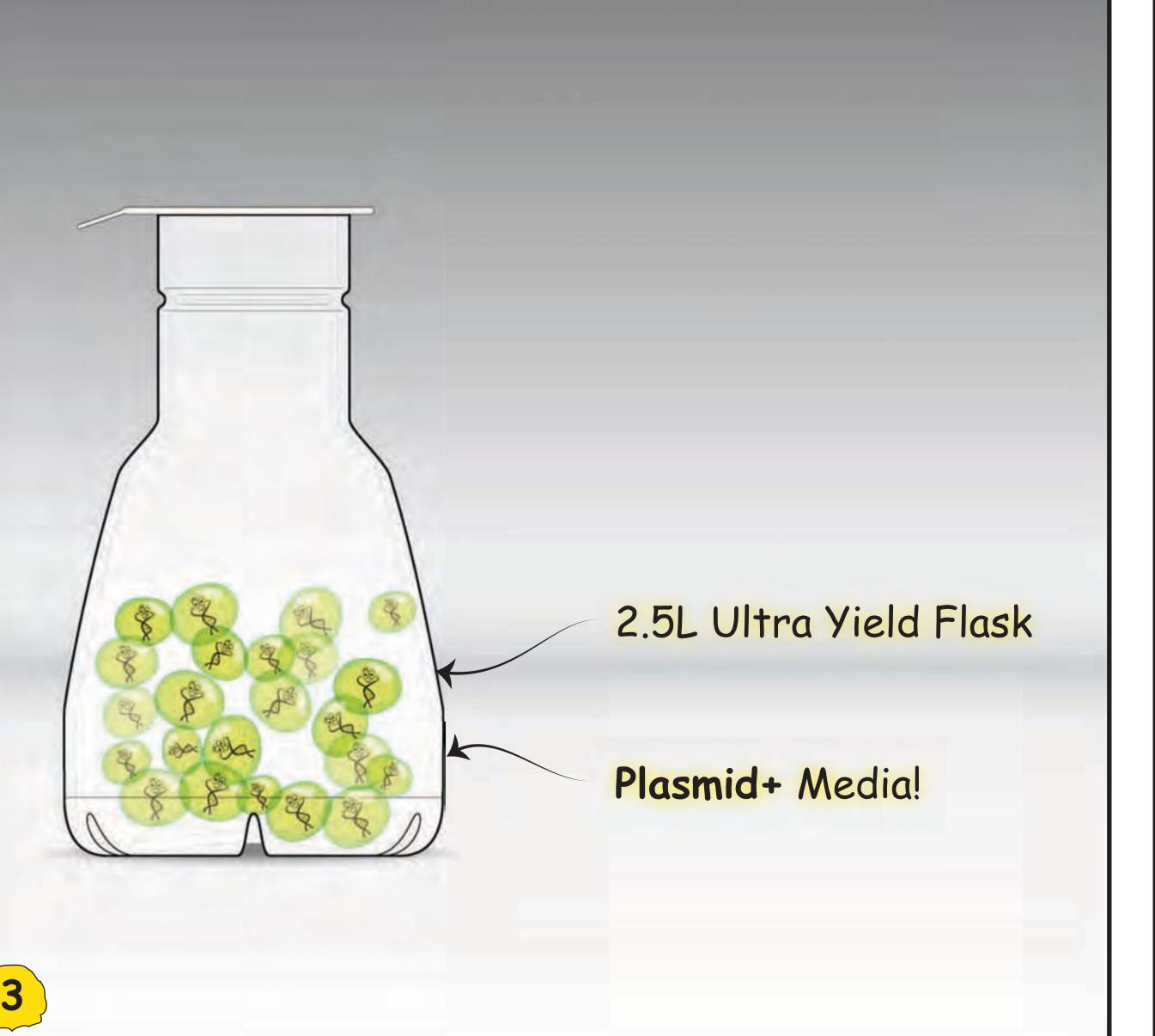
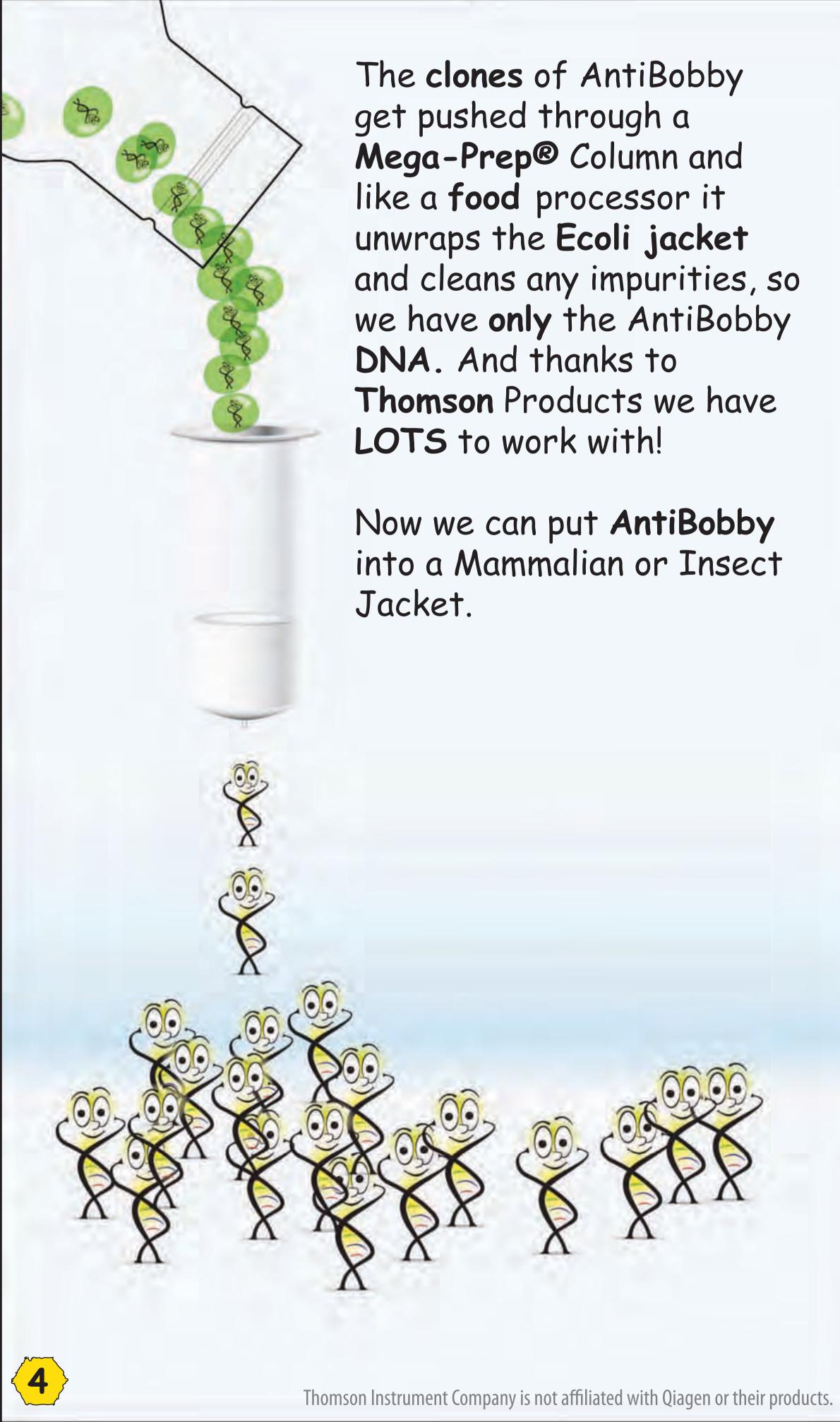
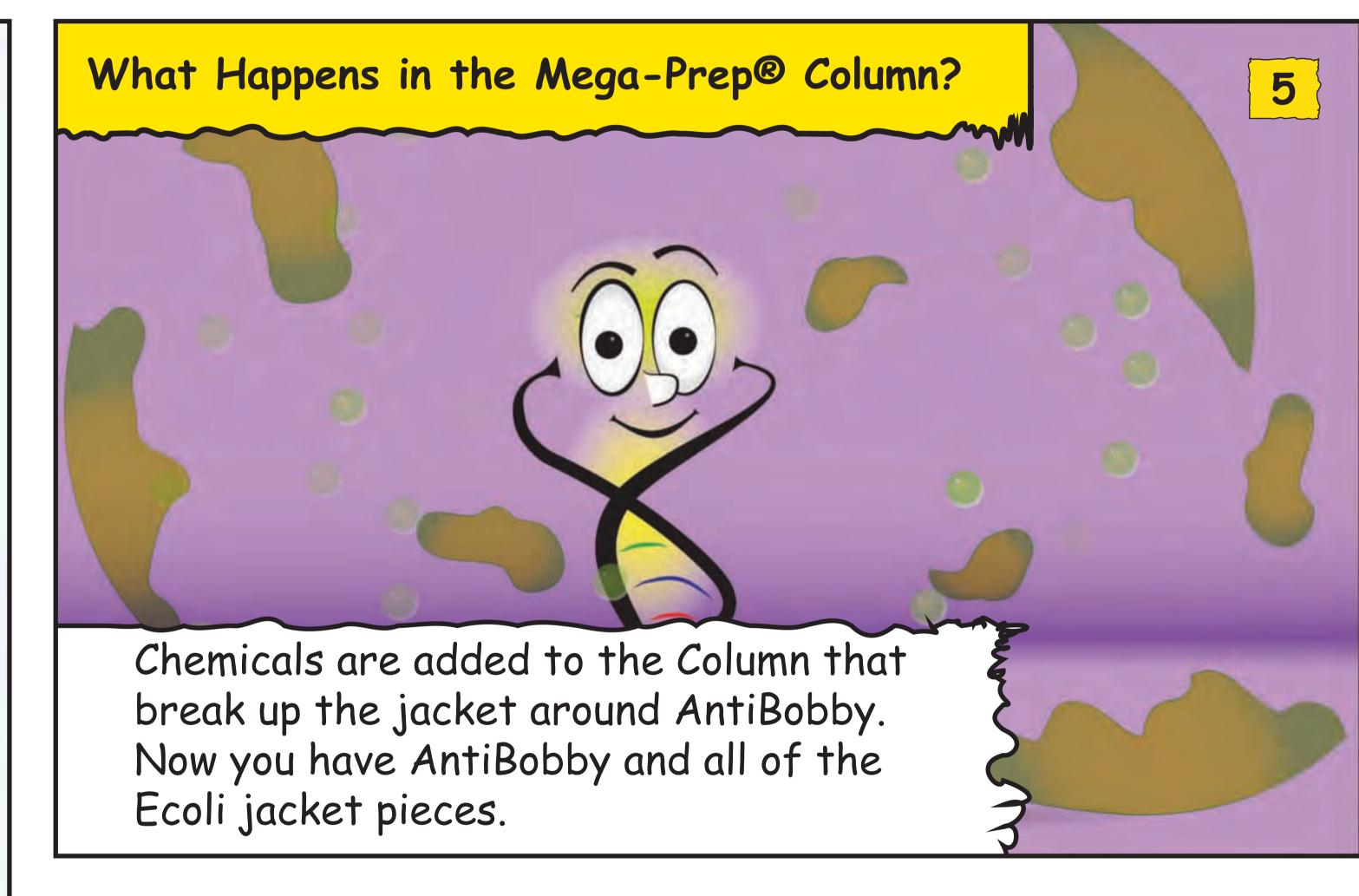
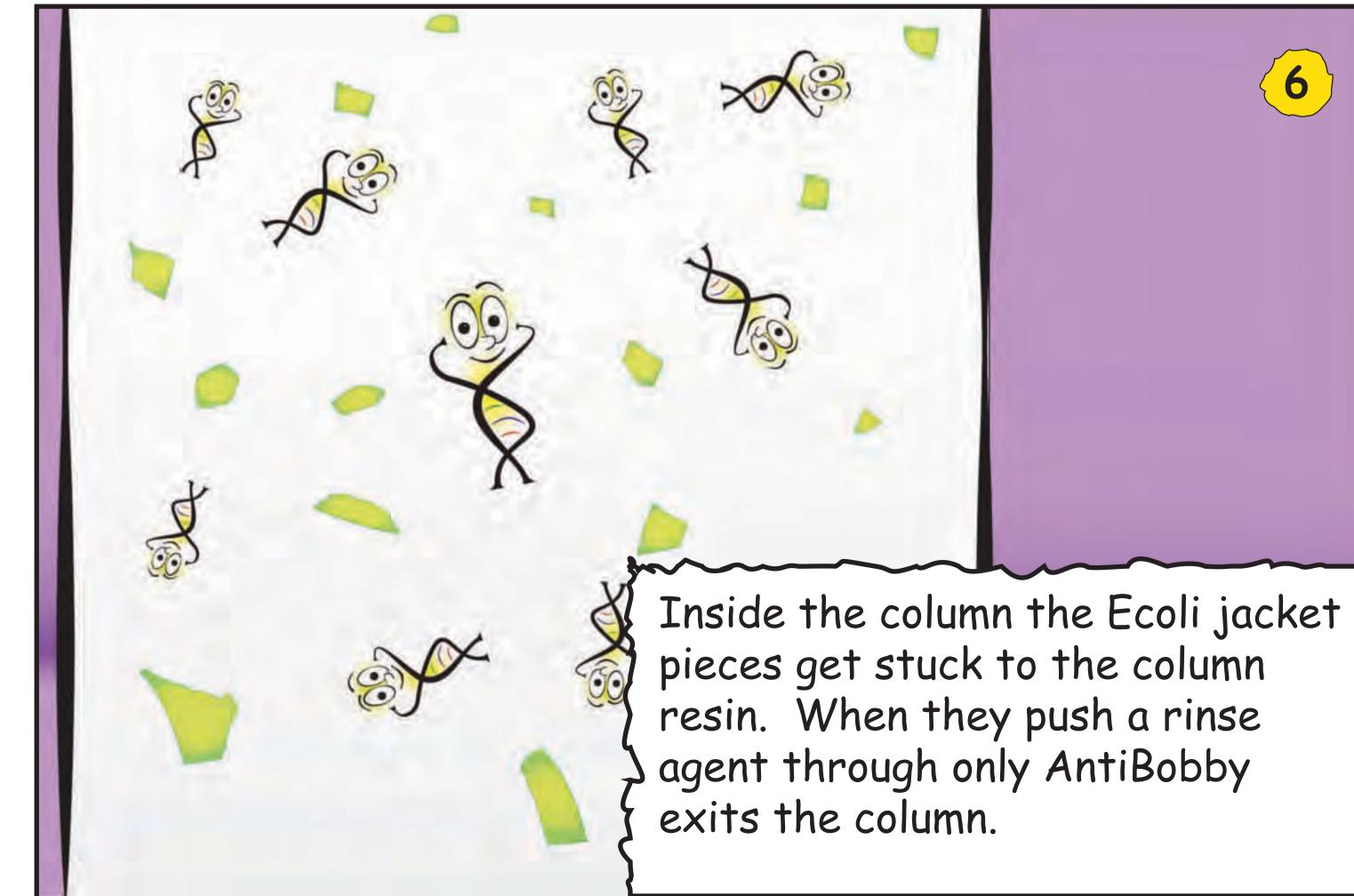


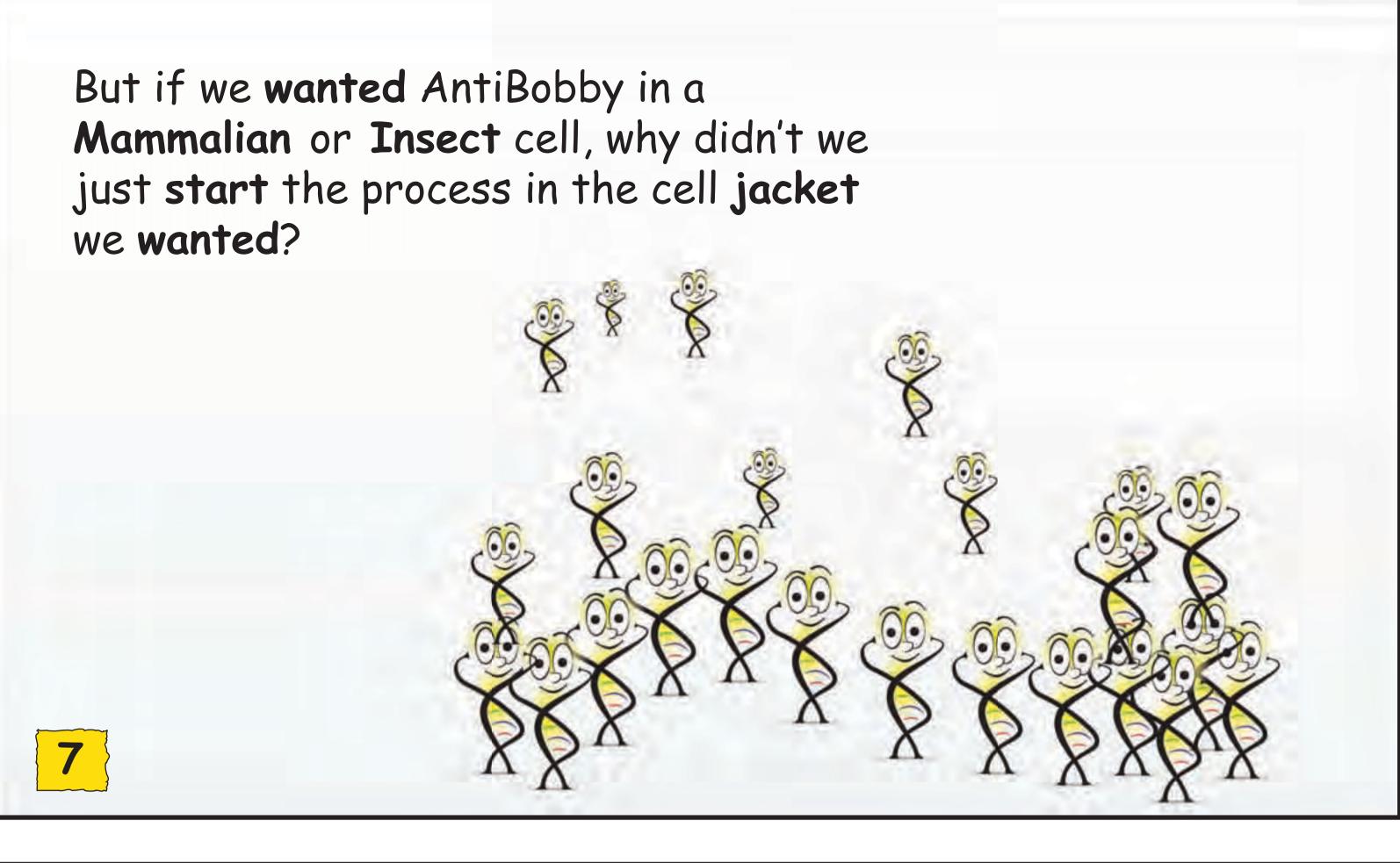
AntiBobby is placed into a Thomson Ultra
Yield Flask™ and placed in a shaker. Flask
size is determined by the size of their
experiment, over a day AntiBobby grows many
many clones of himself.





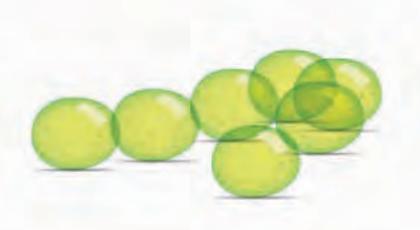


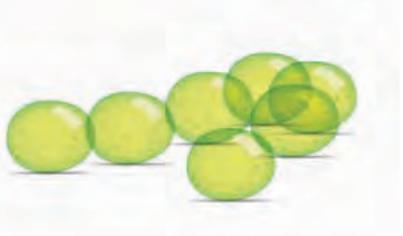


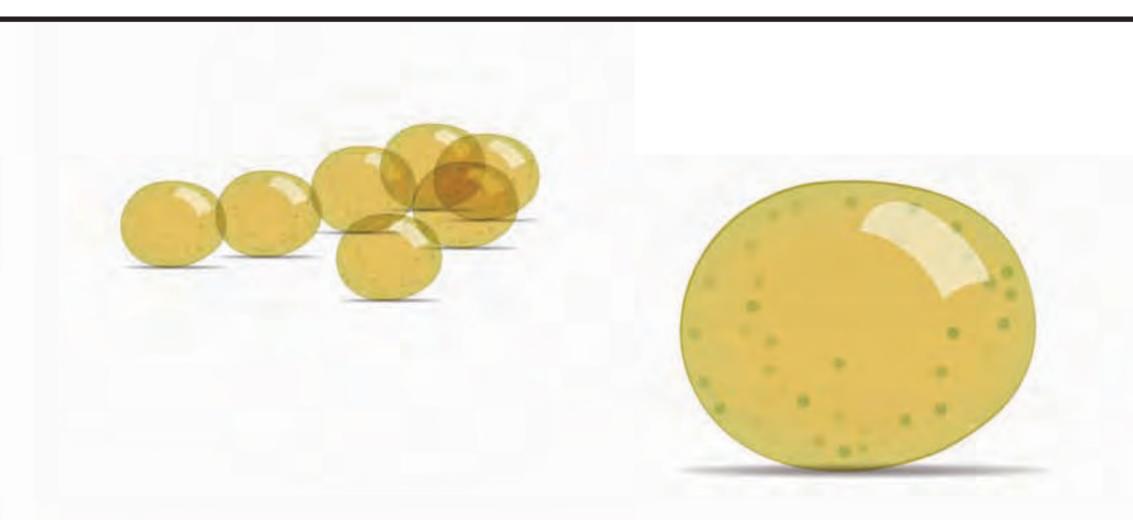


Well.. It's based on a principle called doubling. You see an Ecoli jacket is thicker walled so we can agitate AntiBobby faster without hurting him. And Ecoli's doubling rate is 2 hours, so every Two hours our amount of AntiBobbys doubles.





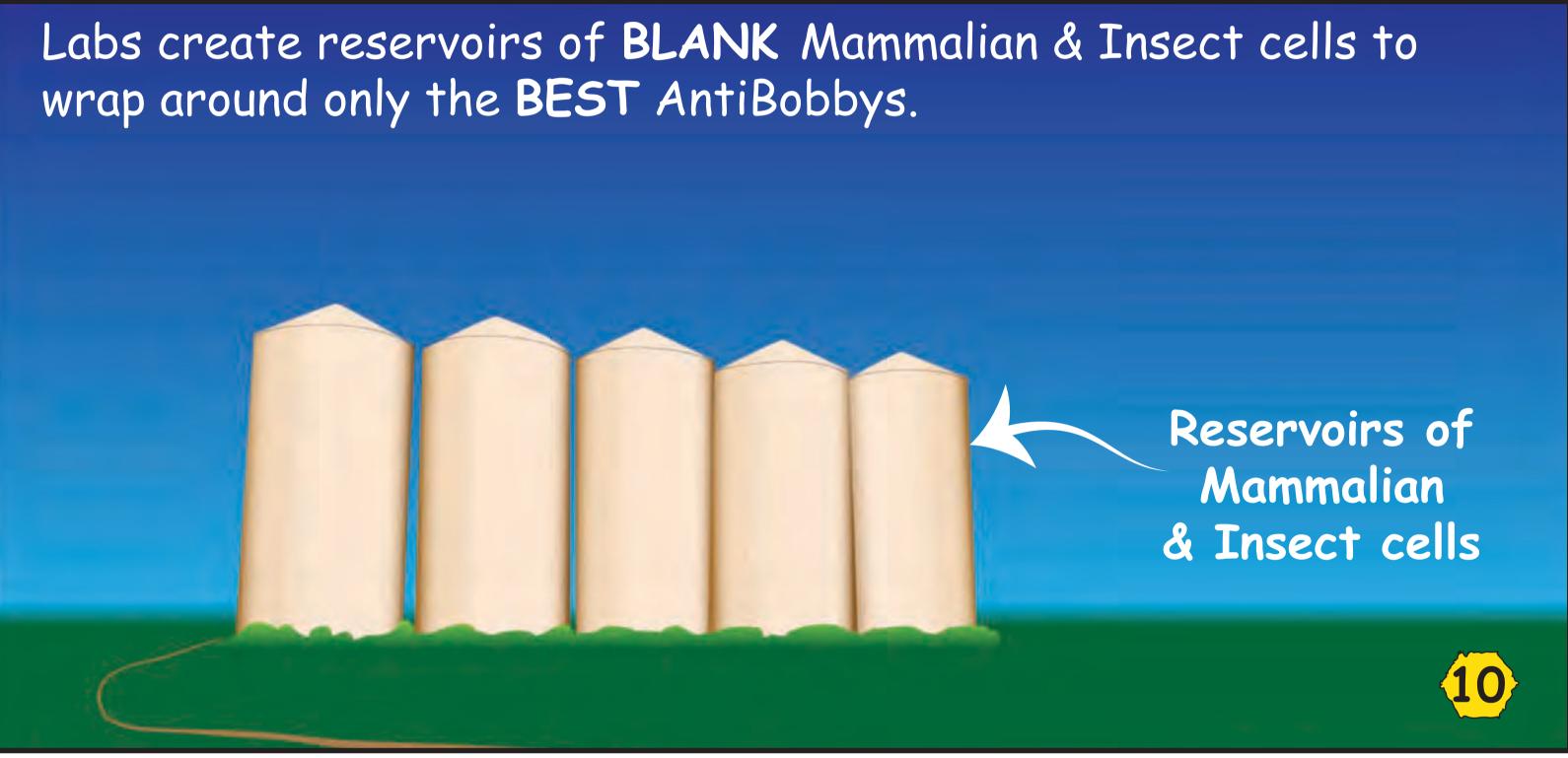




As apposed to our mammalian and insect cell walls that are thinner and so we have to agitate the growth at a slower rate. The doubling rate is 24 hours! So you see that is why we start the process with Ecoli to get a large batch to play with. Then start putting AntiBobby into our Mammalian and insect cells.

But how do we do that?





To get AntiBobby into a mammalian or insect cell

first we need to find the best AntiBobby, To do

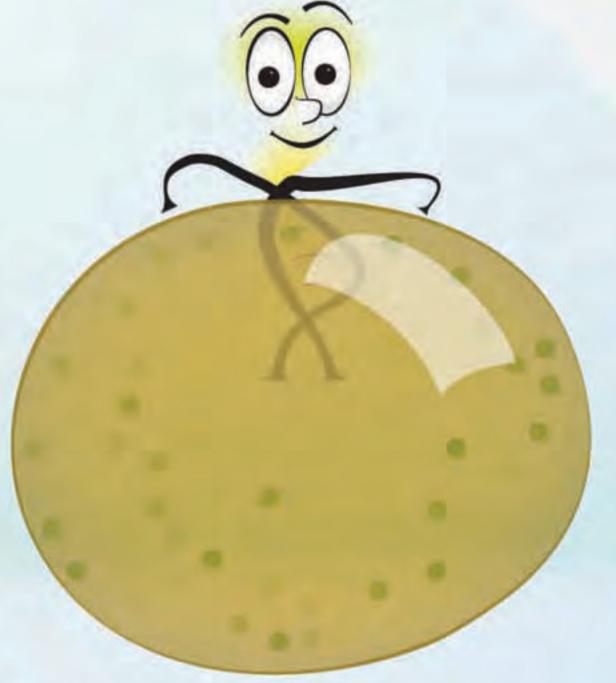
that we use Elisa Testing. Basicaly we put

Now to get AntiBobby into an insect or mammalian cell!

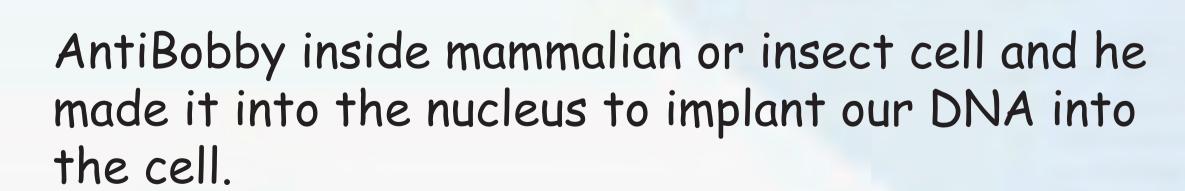




First we coat AntiBobby in PEI or Liptofectin. This makes AntiBobby invisible to the host cell. This allows AntiBobby to enter the cell and pass all of its security guards to the nucleus.

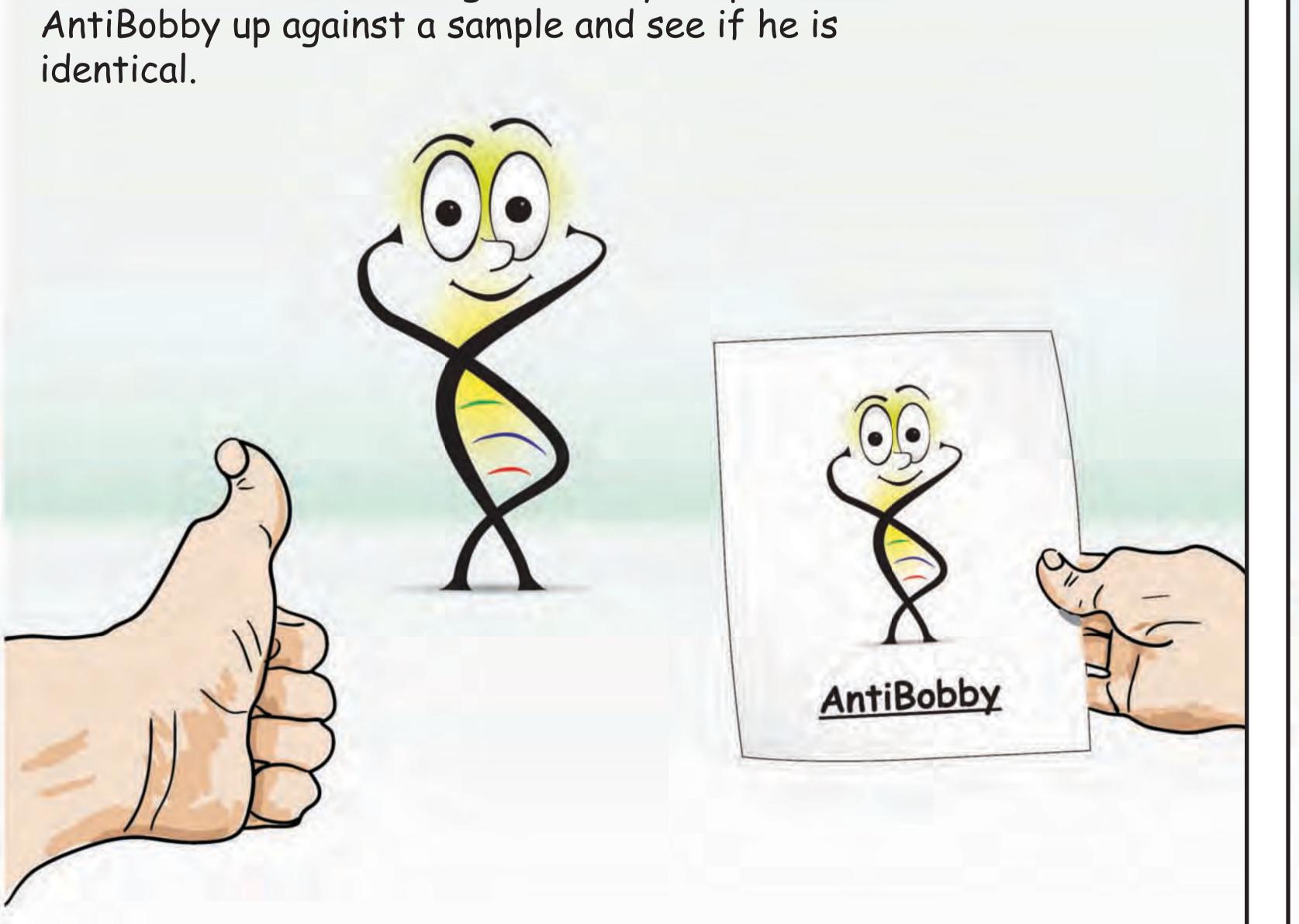


AntiBobby sneaking into mammalian or insect cell undetected!



Now we just have to grow more of these with increasingly larger batches of AntiBobby and use Elisa Testing to determine which batch goes on the the next larger batch.





Every time you grow DNA in batches you get some GOOD batches, some BAD ones, & some are the BEST of the BEST of the BEST in DNA batches.

Batches are scored on concentration of DNA. We use the Elisa Testing to take a look at the batch and determine if it contains our AntiBobby or not and how much. Only the best batches are used to grow the next larger batches.

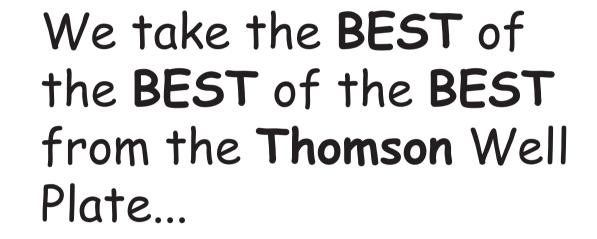
So to get a final product of our AntiBobby in a Mammalian or Insect jacket and ONLY have the BEST samples we have to start small...



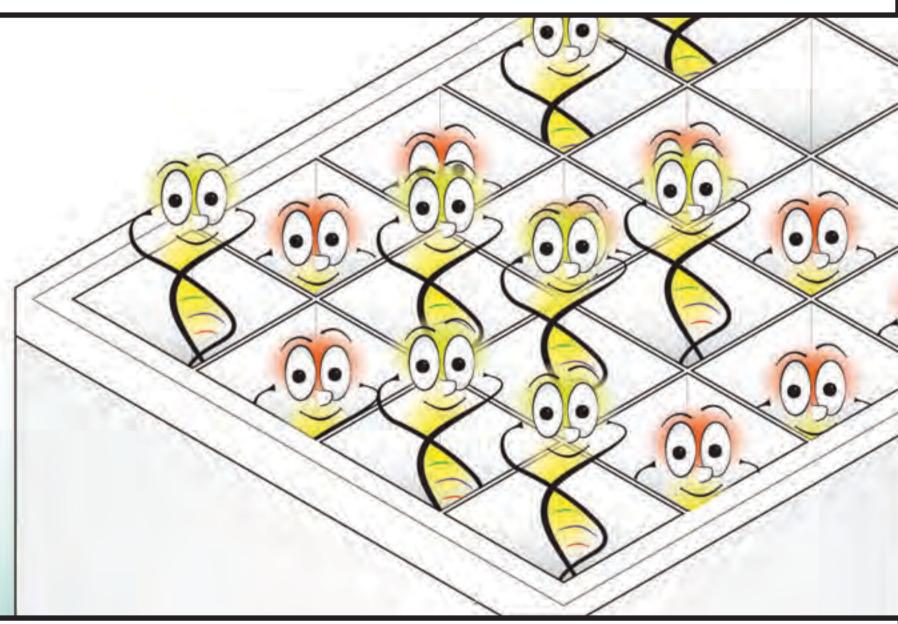
Starting small means using a Thomson 24 (P/N 931565-1X) or 96 (P/N 982090) well plate.

We grow a small batch of AntiBobby in his new mammalian or insect jacket and see which well has the greatest concentration of AntiBobby by using Elisa Testing.

From there it is just repeating the same process in a larger then larger container. Eventually we get to a production run. But by then we want to make sure that it is going to produce a high concentration of AntiBobby so we start small and end with the best of the best of the best in batches to grow with.



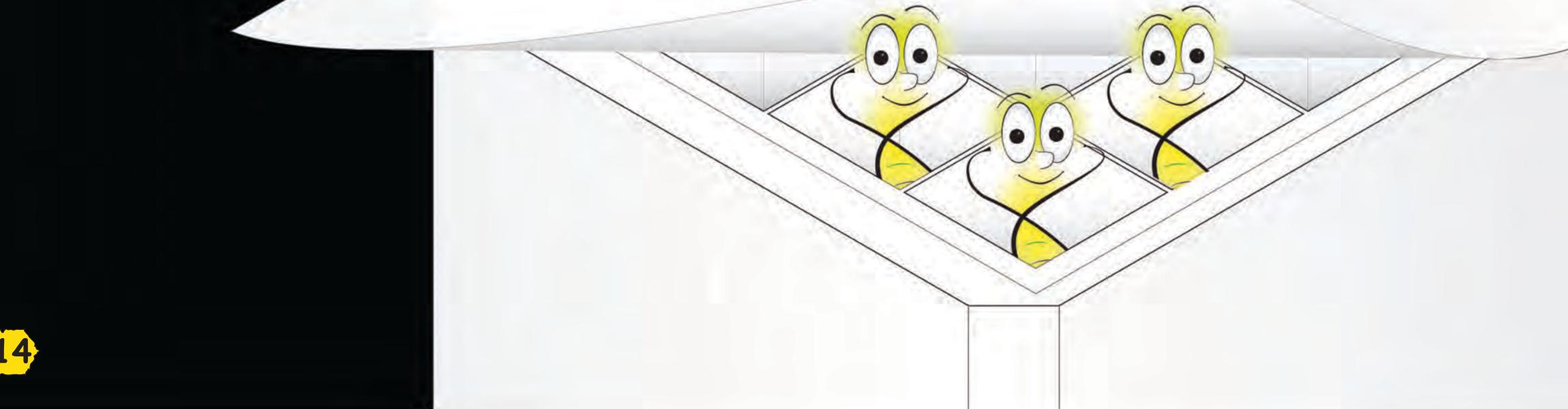




...And start the process and grow AntiBobby in 64 Thomson 125mL Optimum Growth FlasksTM. Then use Elisa testing to determine which flask has the highest concentration of AntiBobby and go larger!

64 Flasks







...36X 250ML...

...24X 500ML...

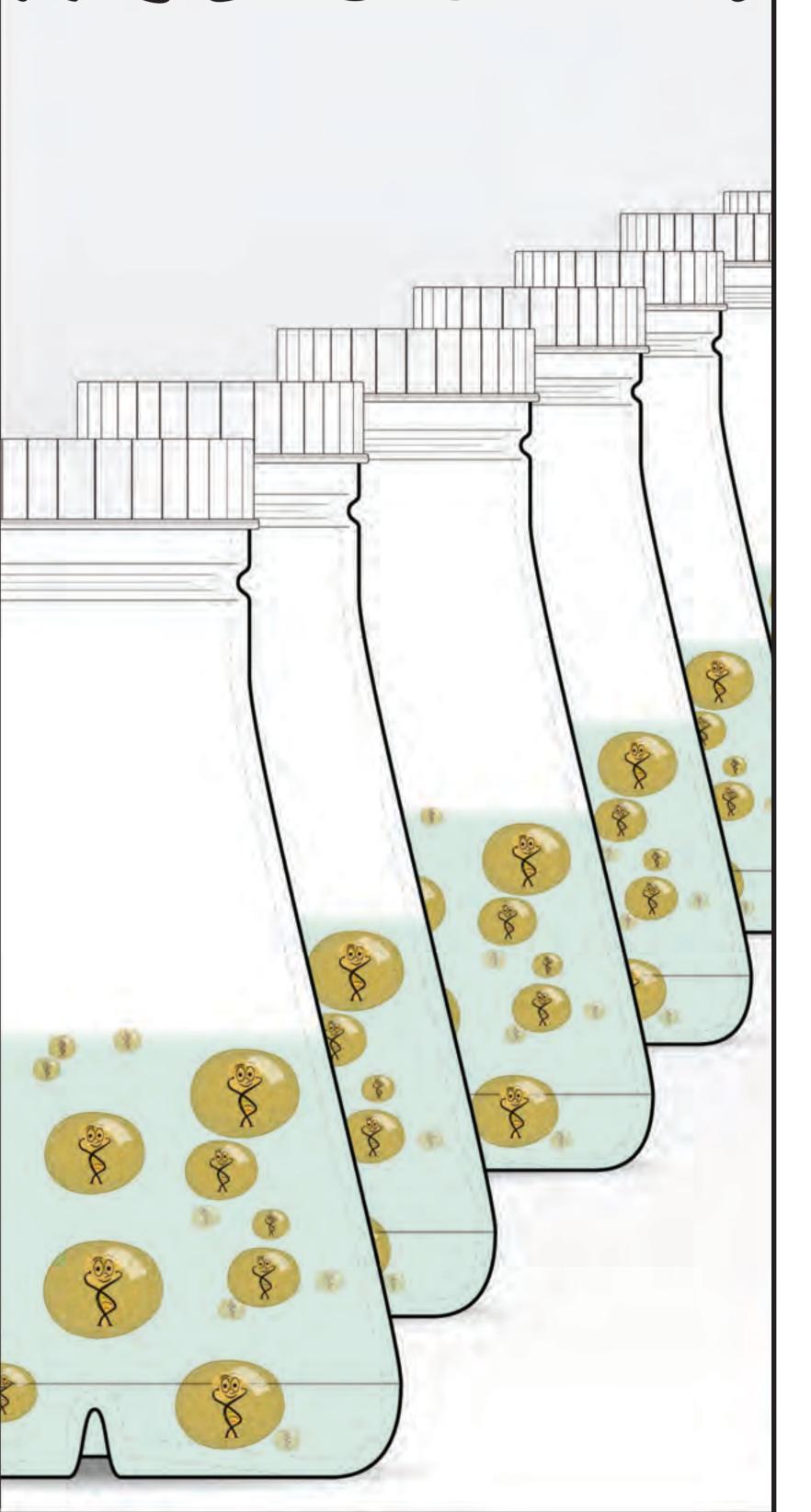
...16X 254...

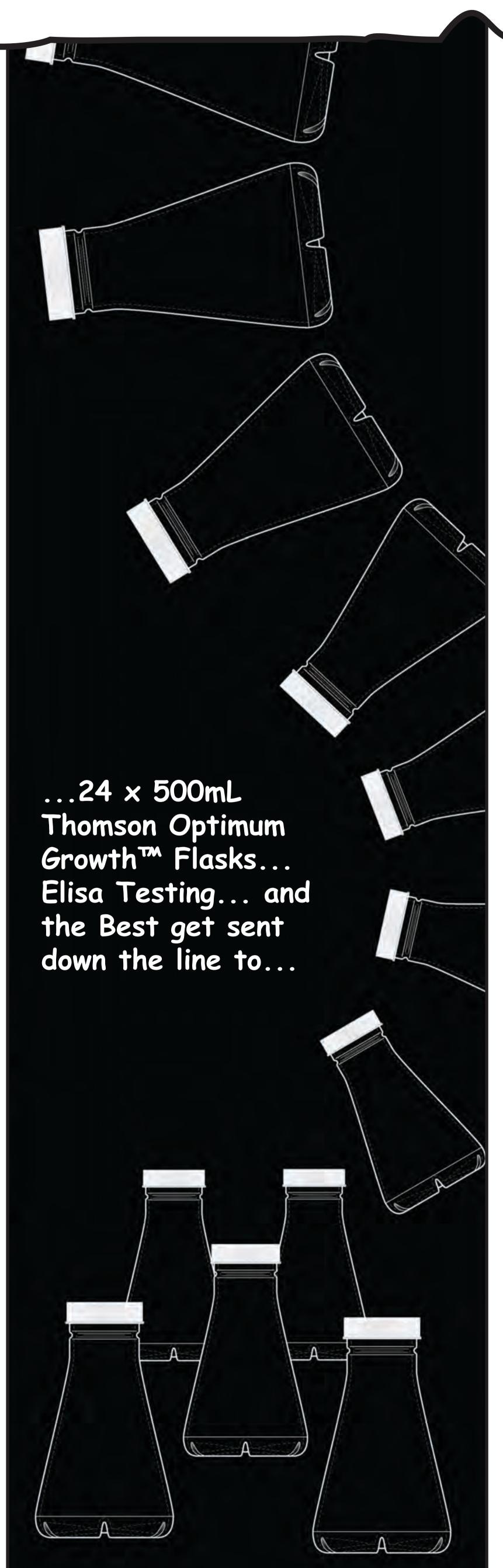
PRODUCTION 8 X 5 L F L A S K S

PRODUCTION! We have a STRONG strain of

If you're keeping track that's an increase in

Next up! Thomson 250mL Optimum Growth Flasks™ & 36 of them to get a good amount of cells and Elisa testing to get to the next batch...

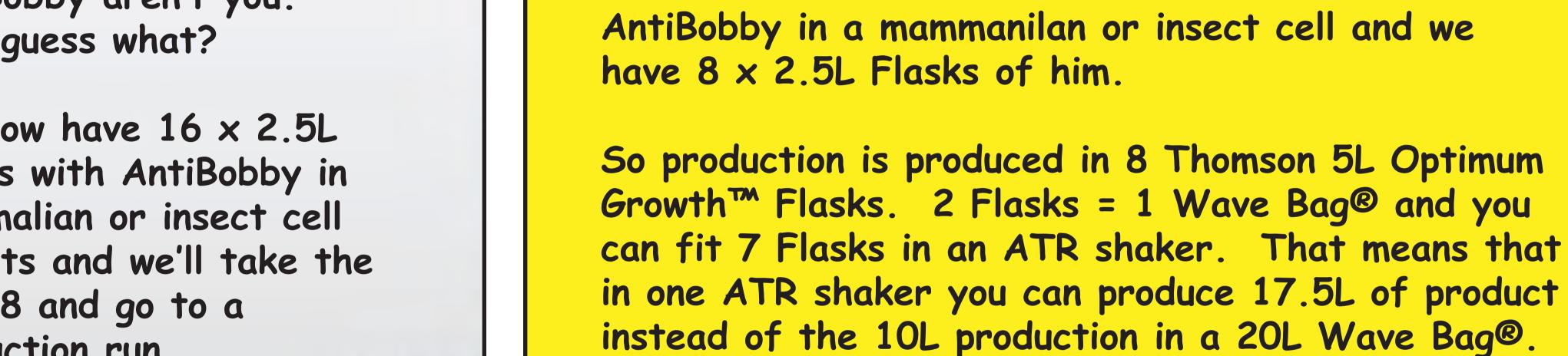




 $...16 \times 2.5L$ Thomson Optimum Growth™ Flasks... Elisa Testing...

You're starting to get the idea by now how we get large batches of good AntiBobby aren't you. Well guess what?

We now have 16 x 2.5L Flasks with AntiBobby in mammalian or insect cell jackets and we'll take the best 8 and go to a production run...



production of 55%!

