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Section: Vitek Manual	Subject Title: Card Set UP - GPI/GPS and GNI/GNS Cards	
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CARD SET UP - GPI/GPS and GNI/GNS CARDS

A. Preparation of Inoculum

Use fresh 24 hours culture.

If insufficient growth for setting up inoculum, subculture isolate onto BA plate, incubate for a few hours and set up from a sweep of the growth.

Subculture frozen or freeze dried isolates twice before setting up any Vitek card.

Gram Negative (GNI/GNS)

Organism ---> 1.8 mL saline (1 McFarland) --50 μ L--> 1.8 mL saline
GNI (blue zone) **GNS**

Gram Positive (GPI/GPS)

Organism ---> 1.8mL saline (0.5 McFarland) -200 μ L-> 1.8 mL saline
GPI (red zone) **GPS**

Vortex suspensions for ID cards inoculations

Inoculate cards within 15 minutes.

B. Card Inoculation

1. Allow card to reach room temperature.
2. Remove protective package liner, visually inspect for holes or cracks in the foil material.
3. Label card with **Last 6 digits of Lab # + isolate #**. Isolate # should be identical in corresponding ID and susceptibility cards.
4. Mark **external tests marks** (positives) on appropriate cards:
oxidase/catalase
beta hemolysis/coagulase
Corresponding ID and susceptibility cards should have identical external tests marked.

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5. Insert transfer tube into inlet port.
6. Place inoculated test tube in filling stand.
7. Place assembled card and transfer tube on filling stand with the long portion of the transfer tube into the test tube.
8. Place filling stand with the assembled test kit into filling module.
9. Press '**FILL**' button **once**. 'READY' light will go out after a few moments.
10. When the 'READY' light returns, remove filling stand from filling module.
11. Cut transfer tube and seal card in heater/sealer module.
12. Check card for bubbles.
13. For ID Cards, remove bubbles by shaking.
14. For sensitivity cards, DO NOT SHAKE. Small bubbles will not cause problems. If very large bubbles are present, discard the card and repeat.
15. Insert card into tray.
16. **Put filled card into reader/incubator within 15 minutes.**
15. Check time and location of the next tray to be read by:
 - a) click on "**VITEK**" in main menu
 - b) click on "**READER**"
 - c) click on "**STATUS**"

Open reader/incubator.

Put new card into tray following 'next tray to be read'. Example: Next tray to be read: tray a put new card into tray a. (If a is full, trays b or c are also OK).

To Exit "STATUS" WINDOW:

- a) click on "**FILE**"
- b) click on "**QUIT**"