PROGRAM Standard Operating Procedure – Laboratory Services				
Title: MIC70230 – VITEK 2 ANC Card	Policy Number:			
Program Name: Laboratory Services				
Applicable Domain: Lab, DI and Pharmacy Services				
Additional Domain(s): NA				
Effective Date:	Next Review Date:			
Issuing Authority: Director, Laboratory and Diagnostic Imaging Services Issuing Authority	Date Approved:			
Accreditation Canada Applicable Standard: NA				

GUIDING PRINCIPLE:

The VITEK 2 Anaerobic and Corynebacterium identification card (ANC) is intended for the automated identification of most clinically significant anaerobic organisms and *Corynebacterium* species. Results are available in approximately 6 hours.

PURPOSE/RATIONALE:

This standard operating procedure provides instructions on setting up the VITEK 2 ANC card.

SCOPE/APPLICABILITY:

This standard operating procedure applies to Medical Laboratory Technologists using the ANC card on the VITEK 2 instrument.

SAMPLE INFORMATION:

Туре	Anaerobic organisms and Corynebacterium species
Source	Fresh 18 to 72 hour cultures

REAGENTS and/or MEDIA:

Туре	VITEK 2 ANC card			
Stability	Stable until date of expiration indicated on the package			
Storage Requirements	Store at 2°C to 8°C			
Criteria for rejection	Do not use if:The expiration date has passedThere are other signs of deterioration			

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SUPPLIES:

- 0.45% Saline
- Plastic VITEK tubes and caps
- Sterile swabs

EQUIPMENT:

- VITEK 2 instrument
- VITEK DENSICHEK
- Vortex mixer

SPECIAL SAFETY PRECAUTIONS:

Containment Level 2 facilities, equipment, and operational practices for work involving infectious or potentially infectious materials or cultures:

- Ensure that appropriate hand hygiene practices be used
- Lab gown must be worn when performing activities with potential pathogens
- Gloves must be worn when direct skin contact with infected materials is unavoidable
- Eye protection must be used when there is a known or potential risk of exposure of splashes
- All procedures that may produce aerosols, or involve high concentrations or large volumes should be conducted in a biological safety cabinet (BSC)
- The use of needles, syringes and other sharp objects should be strictly limited

All patient specimens are assumed to be potentially infectious. Routine Practices must be followed. Since viable micro-organisms are used, all cultures must be handled with appropriate precautions. All equipment in contact with cultures should be decontaminated by appropriate methods.

QUALITY CONTROL:

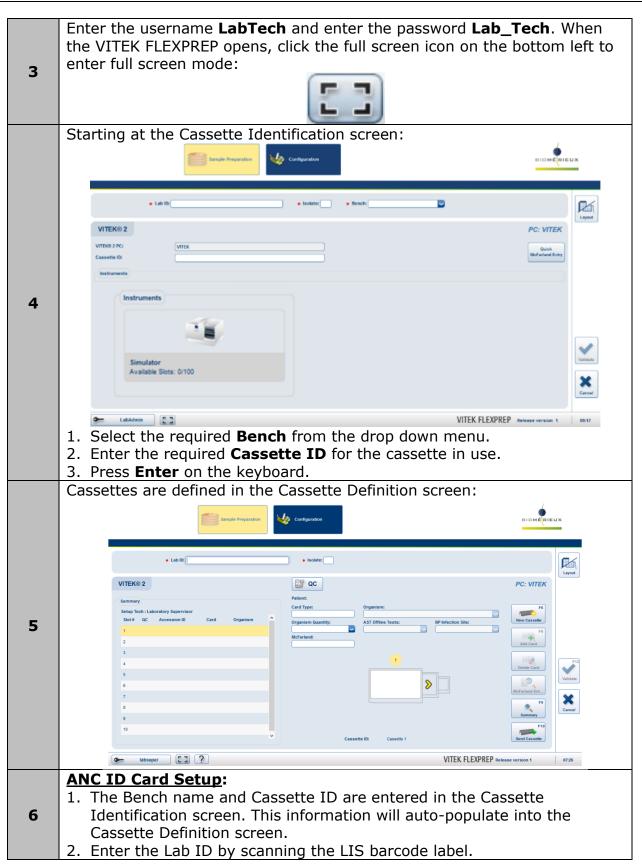
- Refer to MIC60030-VITEK 2 Quality Control for VITEK 2 QC procedures
- Refer to MIC60031-VITEK 2 Quality Control Job Aid
- Record all results on MIC60032-QC Results Record-VITEK 2

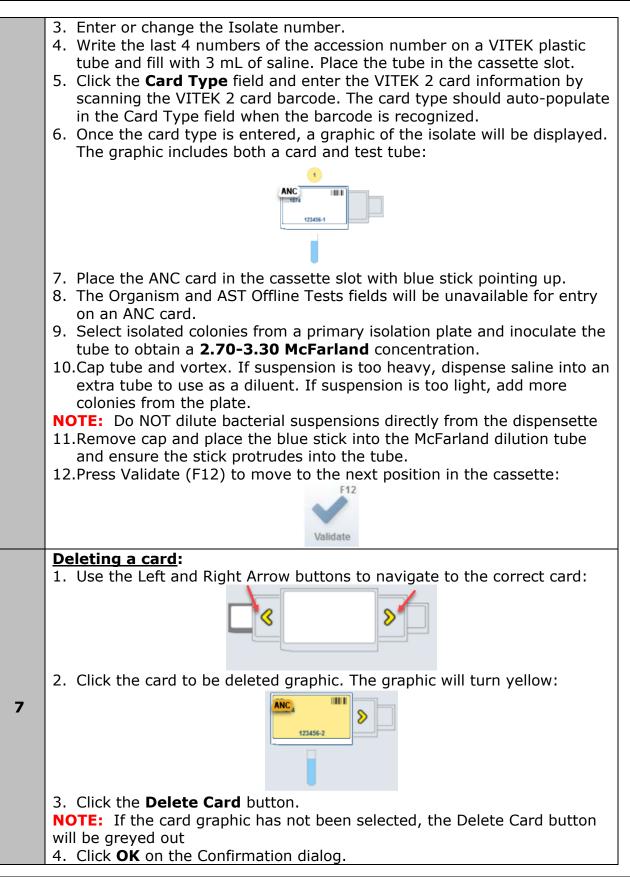
PROCEDURE INSTRUCTIONS:

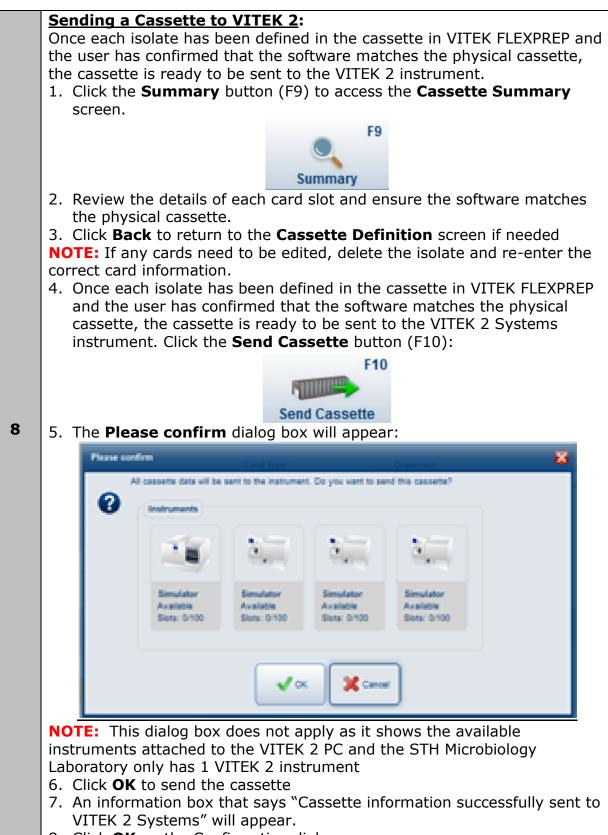
Step	Action					
Settin	Setting up ANC card on VITEK 2					
1	Allow cards to come to room temperature before opening the package liner.					
2	From the Start menu on the VITEK 2 computer, select FLEXPREP to start the FLEXPREP application, or double-click the FLEXprep icon on the desktop:					

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8. Click **OK** on the Confirmation dialog.

Step	Action
Load	ing ANC card onto VITEK 2
1	Check that the green Cassette Load Station light is on. A blinking light indicates that a cassette must be unloaded before loading a new cassette. If the light is off, the instrument is not ready to accept a cassette.
2	 To avoid jams and terminated cards, check that: 1. The blue and grey sticks are inside tubes. 2. The caps on the McFarland Standard tubes are removed. 3. The cards are sitting level in the cassette slots. 4. The cassette is seated properly in the boat when loaded onto the instrument.
3	After loading the cassette, wait for the "happy sound." If the VITEK 2 detects a discrepancy in the number of cards on the cassette, the cassette will be returned to the Cassette Load Station and will not be processed.
4	After the cards are loaded, the cassette will travel back to the loading dock. Unload the cassette when light is flashing green.
5	Bring the cassette when light is hashing green. Bring the cassette back to the VITEK 2 setup bench. From the Start menu on the VITEK 2 computer, select VITEK 2 SYSTEMS to start the VITEK 2 SYSTEMS application, or double-click the VITEK 2 SYSTEMS icon on the desktop:
	On the VITEK 2 SYSTEMS Web application, select Cassette view:
6	
7	The columns in Cassette view include a Filter icon that will allow users to filter the cassettes listed in Cassette view. Filters can be cleared from all columns using the Clear Filter icon:
8	Clear the Filters and select the filter icon for the Bench column to filter the cassettes by bench: Cassette Status © Cassette © Load Date © Setup Tech © Bench © Instrument © Work Flow © Select the bench you are working on to list the cassette you have last set up.
	Find the cassette and select the expand button to view the cassette isolates:
9	
	The expand button is on the right hand side in the Cassette Status column.
10	Ensure the samples listed in the cassette summary match the accession numbers written on the tubes. Make purity plates using the blue or grey stick and appropriate media.

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Step					Action				
Reviewing ANC card									
Image: Arrow card Image: Arrow card From the Start menu on the VITEK 2 computer, select VITEK 2 SYSTEMS to start the VITEK 2 SYSTEMS application, or double-click the VITEK 2 SYSTEMS icon on the desktop: Image: Arrow card Image: Arrow carrow card <t< th=""></t<>									
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 From the Work List, click on the "Clear Filters" button to clear the filters and: 1. Filter the results by date and select yesterday's date. 2. Filter the results by bench and select the correct bench name. Isolate Status Icons: 									
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	•	To Be Reviewed	 Isolate is final and needs to be reviewed Click the Review Results icon: 			
		Approved	Isolate is final and approved			
5	If the Isolate status is not approved, double click the order in the worklist to resolve the issue. Once the issue is resolved, print the results page and click the Back icon to navigate back to Work List.					

CROSS-REFERENCES:

- MIC60030-VITEK 2 Quality Control
- MIC60031-VITEK 2 Quality Control Job Aid
- MIC60032-QC Results Record-VITEK 2

REFERENCES:

- 1. bioMérieux. (2020-04). VITEK 2 Instrument User Manual, 041387-02
- 2. bioMérieux. (2018-02). VITEK FLEXPREP Software User Manual 048984-01
- 3. bioMérieux. (2022-02). VITEK DENSICHEK User Manual, 048641-02
- 4. bioMérieux. (2021-03). VITEK 2 ANC package insert, 043907-04

APPROVAL:

Date

Director, Laboratory and Diagnostic Imaging Services

REVISION HISTORY:						
REVISION	DATE	Description of Change	REQUESTED BY			
1.0	02 Feb 21	Initial Release	L. Steven			
2.0	04 Aug 21	Procedure reviewed and added to NTHSSA policy template	L. Steven			
3.0	01 Oct 24	Procedure reviewed and updated to reflect new FLEXPREP software	L. Steven			

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