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

Uncontrolled When Printed

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

Disclaimer Message: This is a **CONTROLLED** document for internal use only. Any documents appearing in paper form are not controlled and should be checked against the electronic file version prior to use.

Policy Number:

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

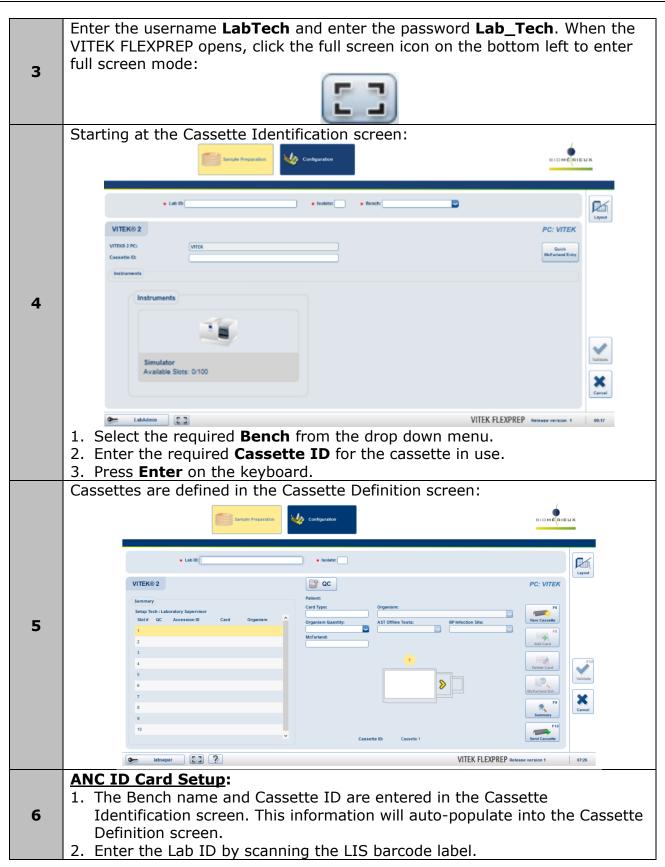
All patient specimens are assumed to be potentially infectious. Routine Practices must be followed. Since viable micro-organisms are used, all cultures must be handled with appropriate precautions. All equipment in contact with cultures should be decontaminated by appropriate methods.

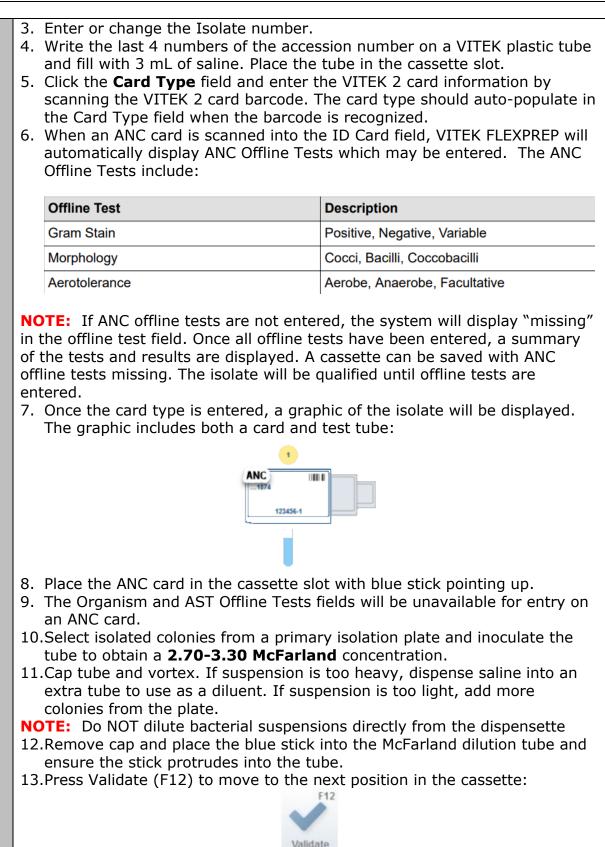
QUALITY CONTROL:

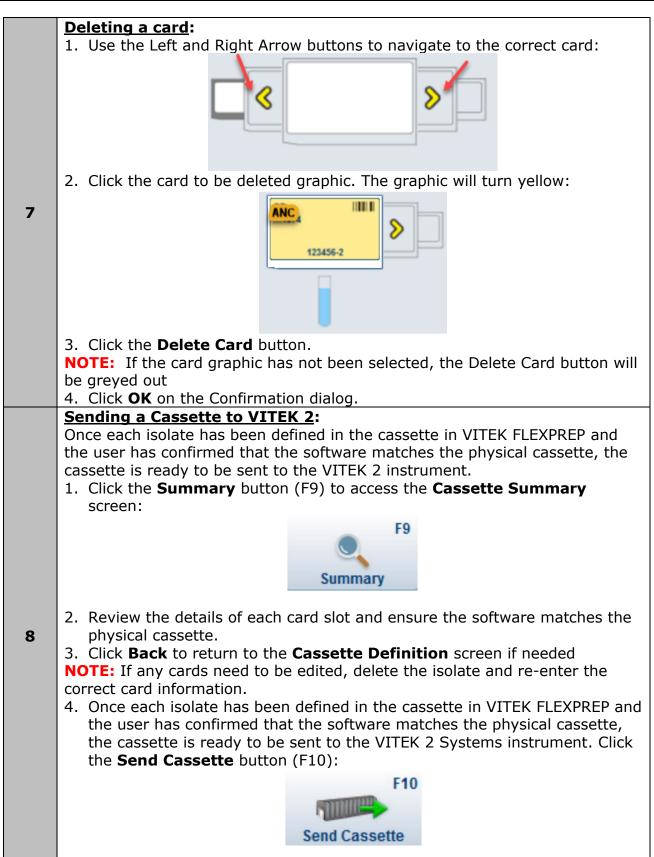
- Refer to MIC60030-VITEK 2 Quality Control for VITEK 2 QC procedures
- Refer to MIC60031-VITEK 2 Quality Control Job Aid
- Record all results on MIC60032-QC Results Record-VITEK 2

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:					







5. The P	lease cor	ıfirm di	alog box v	vill appea	r:	
	Please confirm					×
	0	sette data vill be struments	sent to the instrument	t. Do you want to se	nd this cassette?	
		1				
		Simulator Available Slots: 0:100	Simulator Available Sists: 0100	Simulator Available Siota: 0100	Simulator Available Siots: 0100	
			v •	Caros	•	
attached VITEK 2 i 6. Click	to the VIT instrumen OK to sen	TEK 2 PC t d the ca	C and the	STH Micro	biology Labo	lable instrument ratory only has 1 cessfully sent to

- VITEK 2 Systems" will appear.
- 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 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:
	Clear the Filters and select the filter icon for the Bench column to filter the
8	cassettes by bench:
0	Cassette Status Image: Cassette in the
	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.
	Ensure the samples listed in the cassette summary match the accession
10	numbers written on the tubes. Make purity plates using the blue or grey stick
	and appropriate media.

Step	Action									
Revie	wing ANC ca	rd								
1	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:									
2	Work List vie From Work L workspace:			-	-	•	ough	-	olate	Systems Web. in the active

3	 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:								
4	Ν	Preliminary	 Isolate still receiving raw data readings from the instrument Isolate is not final 						
		Preliminary, Qualified	 Isolate with missing information Isolates in this status are automatically removed from the active workspace if not fixed Qualified with a green indicator means two or more isolates in the active workspace share the same Lab ID and isolate number This condition must be resolved in order to move the isolate to the approved state 						
		Final, Qualified	 Isolate with missing information Isolates in this status are automatically removed from the active workspace if not fixed Qualified with a red indicator means information is missing. Examples of missing information include: <<low discrimination="">></low> <<slash line="">></slash> ID and AST Offline Tests Missing Required Offline Tests Missing Organism 						
	V	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