

## CO<sub>2</sub> Enriched Aerobic Conditions Using BD GasPak™EZ Gas Generating Pouch System

<b>SAFETY MESSAGE</b>	<ul style="list-style-type: none"> <li>Observe established precautions against microbiological hazards throughout all procedures.</li> </ul>
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<b>PURPOSE</b>	<ul style="list-style-type: none"> <li>This document will define the procedure for the cultivation of CO<sub>2</sub> requiring organisms using BD GasPak™ EZ CO<sub>2</sub> Pouch System Sachets and Pouches which produce an atmosphere with greater than 3% CO<sub>2</sub>, for the incubation and transport of bacterial organisms on inoculated media plates.</li> </ul>
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<b>POLICY</b>	<ul style="list-style-type: none"> <li>Quality control is performed at Sherman Way Regional Lab with each new lot number or new shipment that is received.</li> </ul>
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<b>SPECIMEN</b>	<ul style="list-style-type: none"> <li>Inoculated media plates requiring a carbon dioxide enriched atmosphere for the following culture plates only:                         <ol style="list-style-type: none"> <li>Respiratory Culture Plates</li> <li>Sterile Site Culture Plates</li> <li>Low Volume Urine Culture Plates</li> </ol> </li> </ul>
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<b>EQUIPMENT AND REAGENTS</b>	<ul style="list-style-type: none"> <li>BD GasPak EZ paper sachets stable at 2 - 25°C</li> <li>BD GasPak EZ resealable pouches</li> <li>Inoculated Media Plates</li> </ul>
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### PROCEDURE:

Step	Action
1	Place inoculated media plates inside resealable plastic pouch, up to 4 plates.
2	Tear open a BD GasPak™ foil sachet at the tear-nick indicated. Remove the paper sachet from within for activation.
3	Immediately place the activated paper sachet in the plastic pouch with the plates. The sachet should be placed between the plates and the pouch.
4	Expel excess air from the plastic pouch. Seal immediately.
5	Close the pouch by pressing the zipper part of the pouch together.
6	Pouch should then be placed in the Bacti 37° incubator until ready for transport.

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<b>Warnings and Precautions</b>	<ul style="list-style-type: none"><li>• DO NOT use sachet if outer foil is damaged or open in any manner.</li><li>• Avoid direct sunlight and excessive temperatures.</li><li>• DO NOT open resealable pouch until incubation is complete.</li></ul>
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<b>Attachment</b>	<ul style="list-style-type: none"><li>• BD GasPak™EZ CO<sub>2</sub> Gas Generating Pouch – Quality Control</li></ul>
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<b>References</b>	<ul style="list-style-type: none"><li>• BD GasPak™EZ CO<sub>2</sub> Pouch System Insert</li></ul>
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### DOCUMENT HISTORY PAGE

Effective Date: 10 – 14 - 16

Change type: new, major, minor etc.	Changes Made to Document – Describe	Area Lab Manager/ Date	Lab Director Reviewed/ Date	Medical Director Reviewed/ Date	Date change Imp.
<b>New</b>					

## CO2 Enriched Aerobic Conditions Using BD GasPak™EZ Gas Generating Pouch System

Kaiser Permanente  
 Medical Care Program  
 California Division – South

SCPMG – Laboratory Systems  
 Bacteriology  
 Form

### BD GasPak EZ CO2 Gas Generating Pouch – Quality Control

PLACE BARCODE HERE  
 (Environmental Worksheet)

<i>BD <u>GasPak</u> CO2 Gas Generating Pouch QC</i>			
<b>Manufacturer: BD</b>	<b>Date Received:</b>	<b>Date Submitted:</b>	
<b>Lot# Pouch System:</b>		<b>Exp. Date:</b>	
<b>Lot# Sachet:</b>		<b>Exp. Date:</b>	
<b>Results</b>			
<b>Organism</b>	<b>Actual</b>	<b>Expected</b>	<b>Comment</b>
<i>Neisseria gonorrhoeae</i> ATCC 19424		Growth	

<b>For Sherman Way Lab Use Only</b>		
QC RESULTS:	Acceptable <input type="checkbox"/>	Tech:
	Unacceptable <input type="checkbox"/>	Date:

#### PROCEDURE

1. Send TWO (2) BD GasPak CO2 Gas Generating Pouches and CO2 sachets to the Sherman Way Regional Lab with each new lot number or new shipment that you receive.
2. **Accession the BD GasPak in Cerner as a non-patient sample using Environmental Culture.** Label the pouches and this form with a barcode label. This will ensure that you receive the QC results in a timely manner and eliminate the possibility of the completed form getting lost.
3. Record the following information: Lot #, Expiration Date and Date Submitted.
4. Please review all results in a timely fashion so unacceptable results can be acted upon promptly.
5. **Use the computer hard copy for your QC records.**
6. Results will be sent through inter-office mail if product is received unaccessioned.