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| **Anaerobe Bags and Campy Bags ---- GasPak™ EZ Gas Generating Pouch System** | | | | | |
| **Purpose** | This procedure provides instructions for using the BD GasPak™ EZ Gas Generating Pouch System for generating anaerobic and microaerophilic atmospheres. | | | | |
| **Principle and Clinical Significance** | The GasPak EZ Gas Generating Sachet consists of a reagent sachet containing inorganic carbonate, activated carbon, ascorbic acid and water. When the sachet is removed from the outer wrapper, the sachet becomes activated by exposure to air. The activated reagent sachet and specimens are placed in the resealable pouch and sealed. The sachet rapidly reduces the oxygen concentration within the pouch. At the same time, inorganic carbonate produces carbon dioxide.  For the cultivation of anaerobic bacteria, the GasPak EZ Anaerobe Pouch System with Indicator Sachets produces an anaerobic atmosphere within 2.5 hours with greater than or equal to 10% carbon dioxide.  For the cultivation of Microaerophilic bacteria, the GasPak EZ Campy Pouch System Sachets produce an atmosphere with approximately 5-15% oxygen. | | | | |
| **Materials** | **Supplies** | | | | |
|  | • GasPak EZ Anaerobe Pouch System with Indicator Sachets (white with indicator tablet) –BD 260683  • GasPak pouch GasPak EZ Campy Pouch System Sachets (Blue)—BD 260685 | | | | |
| **Sample** | * Inoculated / Plated or Tubed anaerobic culture media * Inoculated / Plated or Tubed campylobacter culture media | | | | |
| **Quality Control** | Upon receipt of a new shipment, and each lot: perform quality control with the following organisms:  System QC Organism  GasPak™ EZ Anaerobe Pouch System *Bacteroides fragilis* ATCC 25285  GasPak™ Campy Pouch System *Campylobacter jejuni* ATCC 29428  Record results in QC manual.  Document deficiencies and corrective action. Notify Microbiology Supervisor. | | | | |
| **Procedure** | 1. Place inoculated plates inside the resealable pouch. The EZ Anaerobe pouch system can be used with 1-4 petri dishes. 2. The EZ Campy pouch system can be used with 2-4 petri dishes (If you have only one inoculated plate, one uninoculated plate needs to go into the pouch as well). 3. Remove the GasPak EZ Pouch System Sachet from the carton. Remove the outer foil packaging. 4. Place the activated sachet in the GasPak EZ resealable pouch with the plates. 5. Close the pouch by pressing the zipper part of the pouch together. 6. Incubate the Anaerobe pouch at 33-35°C. Incubate the Campy pouch at 42°C 7. After incubation, open the pouch, remove the plates and dispose of the sachet in a biohazard bin. | | | | |
| **Limitations** | * Results of anaerobic indicator checks are recorded on daily maintenance chart. * It must be noted if the failure affected patient test results. Notify Microbiology Supervisor. * Document any corrective action by sending Sunquest mailbox notification. | | | | |
| **Method Performance Specifications** | Prior to manufacturer release, representative samples of each lot of EZ Anaerobe Pouch system is tested for percent O2 of less than or equal to 1%.  Prior to manufacturer release, representative samples of each lot of EZ Campylobacter Pouch system is tested for percent CO2 of between 5-15 %. | | | | |
| **References** | 1. Package Insert. BD GasPak™ EZ Gas Generating Pouch Systems. Becton, Dickinson and Company. 7 Loveton Circle, Sparks MD 21152. 1-800-638-8663. 6/2010 | | | | |
| **Alternate Methods** | Anaerobes:   * Mitsubishi 2.5 Pack Rect Jar Remel cat. No. 68-5025 * Mitsubishi Pack-Anaero sachets Remel cat. No. 68-1001 * BD Anaerobic Indicator Strips BD cat. No. 271051   Campylobacter:   * Mitsubishi 2.5 Pack Rect Jar Remel cat. No. 68-5025 * Mitsubishi Pack-Aero sachets Remel cat. No. 10-05 | | | | |
| **Training Plan/ Competency Assessment** | **Training Plan** | | | **Initial Competency Assessment** | |
| 1. Employee must read the procedure 2. Employee will observe trainer performing the procedure. | | | Employee will demonstrate the ability to perform procedure, record results and document corrective action after instruction by the trainer. | |
| **Historical Record** | **Version** | **Written/Revised by:** | **Effective Date:** | | **Summary of Revisions** |
| 1 | Becky Carlson | 6/18/2008 | | Initial Version |
| 1.1 | Jessica Craig | 6/30/2011 | | Revised to on-line format |
| 2 | Becky Carlson | 4/4/2015 | | Re-numbered from MC 807 |
|  | 2 | Susan DeMeyere | 8/8/2017 | | Update logo**.** |  |  |
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| **Archived by:** |  | **Archived Date:** | |  |