



# Clinical Laboratory Department POLICY AND PROCEDURE

POLICY NUMBER: 1083

VERSION: 3

## **SUBJECT: GasPak EZ Gas Generating Pouch System**

---

### Principle:

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 sachet and specimens are placed in the resealable pouch and sealed. The oxygen concentration is rapidly reduced. At the same time, inorganic carbonate produces carbon dioxide. The system produces an anaerobic atmosphere within 2.5 hours that is greater than or equal to 10% carbon dioxide with 24 hours.

### Materials:

BD GasPak EZ Pouch containing reagent sachet.  
Resealable pouch.

### Storage and Stability:

On receipt, store sachets at 2-25°C in a dry environment. The expiration date is for unopened, intact and properly stored sachets. Do not open until ready to use. The GasPak EZ Dry Anaerobic Indicator should appear white before use.

### Quality Control:

The anaerobic indicator must change from white to blue within 2-4 hours at 35°C to assure that anaerobic conditions have been achieved within the bag. Weekly, stock anaerobe cultures are incubated on agar plates under anaerobic conditions in these bags, which serve to check the quality of the system as well.

### Procedure:

BD GasPak EZ Gas Generating Pouch System

1. Place the inoculated plates inside the resealable pouch. The system requires at least 1 Petri dish and will hold up to 4 Petri dishes.

<b>POLICY NO:</b> 1083	<b>SUBJECT:</b> GasPak EZ Gas Generating Pouch System GasPak EZ Gas Generating Pouch System	<b>Page 2 of 2</b>
---------------------------	--	--------------------

2. One GasPak EZ Pouch System Sachet is used in each resealable pouch. Remove the sachet from the carton and remove the outer foil packaging.
3. Place the activated sachet in the resealable pouch with the plates. The sachet should be placed between the plates and the pouch with the indicator facing outwards so it can be seen without opening the pouch.
4. Close the pouch by pressing the zipper part of the pouch together.
5. Incubate the pouch system at a temperature appropriate for the organism being cultured, but not to exceed 45°C.

Limitations of Procedure:

1. Do not use indicator if blue in color before use.
2. Do not use if outer package of sachets has been damaged or opened.
3. Do not use the resealable pouches that show rips or tears or other irregularities.
4. Do not touch indicator tablet or open indicator package to remove tablet.

References:

BD GasPak EZ Gas Generating Pouch package insert.8010419/03, 2006/12

<b>Approved By:</b> Brian Yee (PHYS SPEC PATHOLOGY)	
<b>Date:</b> 05/04/2017	<b>Original Date:</b> 05/20/2010
<b>Reviewed:</b> 05/04/2017	<b>Next Review Date:</b> 05/04/2018
<b>Revised:</b> 3/30/17jh changed approver to Dr.Lee	
<b>Written By:</b> Jill Hartenstein (CLINICAL LABORATORY SCIENTIST II)	
<b>Distribution:</b>	