

ANOXOMAT® III GIVES SUPERIOR RESULTS

Comparison to gaspak sachet generating methods



**Reliable
Growth**



**Faster
Testing**



**Quality
Assurance**



**Easy
to Use**



**Cost
Effective**



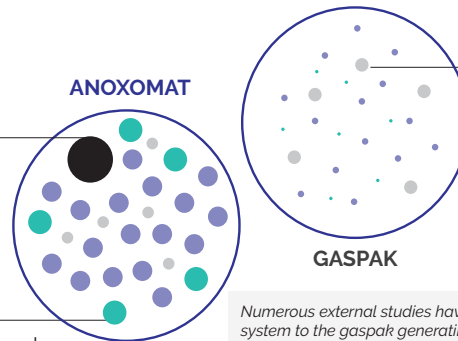
Reliable Results with No Missing Data

Confidence in Growth!

The Anoxomat Jar System creates the environment needed for optimal bacterial growth in minutes. No lag in sub-optimal conditions for samples so you get reliable and consistent environments for anaerobic and microaerophilic testing. The environment created by the Anoxomat contains adequate hydrogen levels needed for growth unlike gaspak systems.

You could be missing 5% of bacterial strains in clinical isolates with gaspak methods.

10.8% of strains produced significantly larger colonies (>5 mm) with the Anoxomat.



Studies observed larger colonies in 67% of tests with the Anoxomat System vs. gaspak systems

Numerous external studies have been done to compare the Anoxomat system to the gaspak generating sachet systems over the last 20 years. All publications have unanimously seen the benefits of the Anoxomat system. The diagram above is a representative summary figure of the following papers: Brazier 1989; Summanen 1999; Shahin 2003; Kikuchi 2007; Salim 2014; Butta 2017



“Great instrument - easy to use and very efficient! Requires very little maintenance and is very reliable.”

NEW ENGLAND BAPTIST HOSPITAL

What are you Missing?

Multiple laboratories reported false negatives in clinical isolates when gaspak methods were used. Bacteria such as Peptostreptococcus micros, P. endodontalis, P. intermedia, etc. could be missing in your results.

Summanen 1999

Larger Bacterial Colonies and Increased Density

The Anoxomat System demonstrated increased colony density in 78% of samples tested and larger colony growth. More colonies and larger colony growth allow easier set-up for identification and susceptibility studies; additionally, identification reads can be done on the first read instead of subsequent reads after placing in the incubator for more time.

Shahin 2003

Quicker Patient Turnaround

Reduced time to diagnosis

Faster bacterial growth so you can expedite findings to clinicians faster. The immediate establishment of the environment suitable for optimal growth of bacteria leads to an approximate 6 hour decrease in culture time before identification. In Clinical settings, this allows identification at 24/48 hours rather than 48/72 hours.

“The Anoxomat system is easy to use, has very little maintenance and consistently gives good growth of quality control organisms.”

GRANDVIEW MEDICAL CENTER

Identification at 24 hours rather than 48 hours in 20% of clinical samples

| | ANOXOMAT | GASPAK |
|---|-------------------|---------------|
| Porphyromonas asaccharolytica (Gram Negative) | 48 Hours | 72 Hours |
| Clostridium perfringens (Gram Positive) | 10 -18 / 36 Hours | 24 / 48 Hours |
| Propionibacterium Acnes in Joints (Gram Positive) | 2-4 Days | 3-5 Days |

Kikuchi 2007; Salim 2014; VOC Feedback

Be Confident in Bacterial Growth

Ensure Exact Environment Required in Minutes

Be prepared for your laboratory inspection with paper or paperless documentation on each sample. Immediately know that the appropriate environment is created and maintained while incubating! The Anoxomat system ensures quality assurance by:

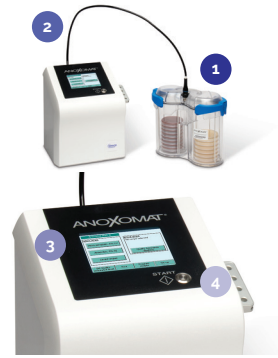
- Digital display and 5-point quality testing
- Thermal/Dot-Matrix Printer
- Bar Code Scanner & Track and Trace Package to track each sample start to finish

| Process report | | Cycle | 1 |
|-------------------------|-----------|--------------------|------|
| Selected recipe | | All jars failed | |
| Micro-aerophilic, 6% O2 | | | |
| Gas | Connected | Comments | |
| 1 | ✓ | pressure: 1.75 Bar | |
| 2 | | | |
| Jar | Connected | Leak test | Seal |
| 1 | ✓ | ✓ | ✗ |
| 2 | ✗ | | ✗ |
| 3 | ✗ | | ✗ |
| Mixture | | | |

| ANOXOMAT™ | | ANOXOMAT™ | |
|--------------------------------|-------------|--------------------------------------|------------------------|
| Equipment Used: | Anoxomat | Equipment Used: | Anoxomat |
| Serial number: | 2108-0491 | Serial number: | 2108-0491 |
| V12 | | V12 | |
| Date: | 19-Aug-2021 | Date: | 19-Aug-2021 |
| Time: | 10:47 | Time: | 10:47 |
| Hardware Validation report: | | Recipe: | |
| Pressure Test Cap 1 | Passed | Recipe: | 10091-4.1 |
| Pressure: 1614.9 mBar | | Micro-aerophilic | |
| Internal Overpressure Test | Passed | Atm ID | |
| Pressure: 1622.2 mBar | | Laboratory | All |
| Pressure: 1620.8 mBar | | Department | 08 |
| Pressure: 1619.9 mBar | | Technician | NOBIA |
| Pressure: 1619.9 mBar | | Sample ID | 30A000 |
| Internal Vacuum Test | Passed | Spelled gases: | 1: 8%N2, 10%CO2, 5% H2 |
| Pressure: 133.9 mBar | | Pressure: | 1.61 bar |
| Pressure: 134.9 mBar | | Automatic quality assurance results: | |
| Pressure: 133.9 mBar | | Connect: | OK |
| Pressure: 133.1 mBar | | Leak: | OK |
| Pressure: 133.7 mBar | | Catalyst: | Approved |
| Pressure: 4.50991 mBar | | Approved: | OK |
| Result: Recipe completed | | | |
| Gas mixture in approved Jar | | | |
| 8%N2, 12%CO2, 3.8%N2, 93.3% H2 | | | |

1-2-3-4 and DONE

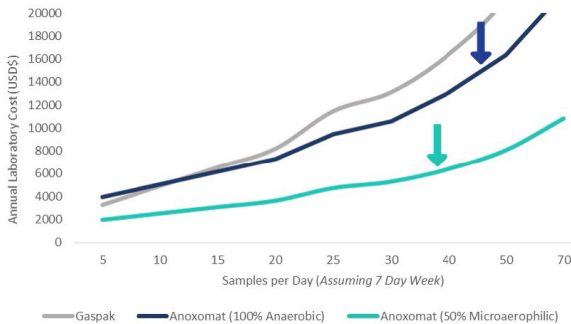
- 1 **Load Jars** with samples and seal Jars by securing lid(s)
Add Palladox™ for Anaerobic Environment
- 2 **Connect Jar(s)** to Anoxomat
- 3 **Choose Appropriate Environment**
- 4 **Press Start/Continue Button**



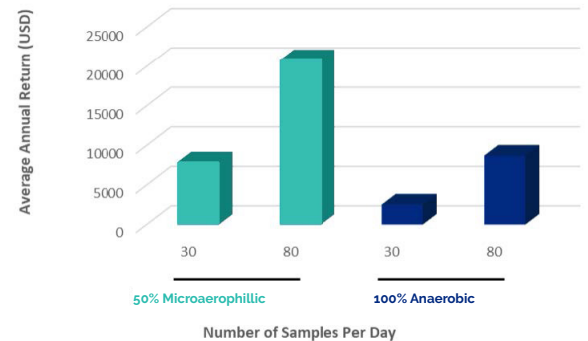
“At the push of a button we are able to simulate anaerobic conditions ideal for their growth.”

VA BOSTON HEALTHCARE

Save Money Annually Compared to Gaspak Methods



PAY OFF THE ANOXOMAT IN AN AVERAGE OF 2 YEARS!



Lab spends less on ownership of workflow

- Less hazardous waste disposal than gas generating sachet systems can save a lab \$3,500-\$7,500/ year
- Hospitals indicate a lean workflow reduces waste of a techs time by up to 10%
 - Saving up to \$10,000 annually in technologist time - not included in above cost savings graph

“The small footprint of this instrument is great for our lab!”

NORTHSIDE HOSPITAL GWINNETT



Eliminates reprocessing of the samples and associated costs

Minimum risk of false negative results when using Evacuation & Replacement Method

One instrument can take the place of many in the Lab

No need for multiple methodologies or work-flow solutions

Run More Samples

Process more samples in less time than traditional systems

- Work with up to 4 Jars (144 plates) at one time
- Save Money on operational costs
- Allow users to work more efficiently

Save on Space

Footprint is the size of a piece of standard paper (12-inch x 9-inch footprint on workspace)

For a full list of references, please visit <https://www.aicompanies.com/anaerobic-jar-systems/advanced-anoxomat-iii/>