

# Instructions for Use

## CAMPYGEN™ COMPACT

|                                 |                                 |                    |
|---------------------------------|---------------------------------|--------------------|
| <a href="#">Cat. no. CN020C</a> | CampyGen™ Compact               | 20 sachets/package |
| <a href="#">Cat. no. AN005C</a> | CampyGen™ Compact Sealing Clips | 5 clips/box        |
| <a href="#">Cat. no. AG020C</a> | Plastic Pouches                 | 20 pouches/box     |

## INTENDED USE

Oxoid CampyGen™ Compact for one or two petri dishes, is a simple system for generating microaerobic conditions, that is required for culturing microaerophilic organisms, such as *Campylobacter* spp.

## SUMMARY

The system consists of a plastic pouch, sealing clip, and a paper gas generating sachet. The paper sachet contains ascorbic acid which reacts on contact with air to produce the microaerobic conditions for the growth of microaerophilic organisms. No catalyst is needed. The addition of water is not required. Potentially explosive hydrogen gas is not produced as with other older systems.

## FORMULA

Ascorbic acid is the reactive component within each paper sachet.

## STORAGE AND SHELF LIFE

**Storage:** Upon receipt store at 2-25°C. Under these conditions, the CampyGen™ Compact sachets will retain their activity until the expiration date declared on the outer box and on the foil wrapped sachet. Products should not be used if there are any signs of deterioration (tears), or if the expiration date has passed. Protect from excessive heat and freezing.

The expiration date on the product label applies to the product in its intact packaging when stored as directed. The product may be used and tested up to the expiration date on the product label and incubated for the recommended quality control incubation times as stated below.

The plates must be inoculated **immediately** after opening the AnaeroGRO™ pouch. After inoculation, the plates must be placed **immediately** into an anaerobic atmosphere (pouch, jar, or chamber) to avoid exposure to oxygen and ensure optimal growth of anaerobic bacteria.

Refer to the document "[Storage](#)" for more information.

## PRECAUTIONS

This product may contain components of animal origin. Certified knowledge of the origin and/or sanitary state of the animals does not guarantee the absence of transmissible pathogenic agents. Therefore, it is recommended that these

products be treated as potentially infectious, and handle observing the usual Universal Precautions for blood. Do not ingest, inhale, or allow to come into contact with skin.

This product is for *in vitro* diagnostic use only. It is to be used only by adequately trained and qualified laboratory personnel. Observe approved biohazard precautions and aseptic techniques. All laboratory specimens should be considered infectious and handled according to "standard precautions." Refer to the document "[Guidelines for Isolation Precautions](#)" from the Centers for Disease Control and Prevention.

For additional information regarding specific precautions for the prevention of the transmission of all infectious agents from laboratory instruments and materials, and for recommendations for the management of exposure to infectious disease, refer to CLSI document M29: *Protection of Laboratory Workers from Occupationally Acquired Infections*.

Sterilize all biohazard waste before disposal.

Refer to the document "[Precautions When Using Media](#)" for more information.

## PROCEDURE

### Method of Use:

1. Place two inoculated media plates in the plastic pouch. Disposable plastic petri dishes should be of the vented variety to aid gas transfer between the interior and exterior of the plates. If only one plate is to be inoculated, an uninoculated plate should also be placed in the plastic pouch to prevent further activity as the volume of O<sub>2</sub> and CO<sub>2</sub> is critical.
2. Tear open a CampyGen™ Compact foil sachet at the tear-nick indicated. Remove the CampyGen™ Compact paper sachet from within. The sachet is activated upon exposure to air.
3. **Immediately** place the CampyGen™ Compact paper sachet in the plastic pouch with the plates.

**Note:** The CampyGen™ Compact paper sachet will become warm to the touch on exposure to air.

4. Expel excess air from the plastic pouch. Seal the plastic pouch immediately with the CampyGen™ Compact Sealing Clip (Cat. no. AN005C) or equivalent.

**Note: The time taken between opening the foil sachet and sealing the plastic pouch should not exceed one minute. Extended exposure will result in loss of reactivity, and full anaerobic conditions may not be achieved in the pouch.**

5. Incubate appropriately.
6. After the incubation period remove the plates or ID panel and examine for the presence of colonies or biochemical reaction. If the plates require reincubation then a fresh CampyGen™ Compact sachet must be used following steps 2-5 described above.

**Note:** The plates may be initially inspected through the transparent plastic pouch. If the bag is not opened, a fresh CampyGen™ Compact sachet is not required for reincubation.

7. After incubation, the exhausted CampyGen™ Compact paper sachet and plastic pouch should be sterilized and discarded with the non-hazardous laboratory waste.

## LIMITATIONS

It is recommended that biochemical, immunological, molecular, or mass spectrometry testing be performed on colonies from pure culture for complete identification of bacteria and/or fungi.

It is essential that the gas generating paper sachet be placed and sealed in the jar within one minute of its removal from the outer foil sachet. Extended exposure to air will result in loss of reactivity and full microaerophilic conditions may

not be achieved.

Refer to the document "[Limitations of Procedures and Warranty](#)" for more information.

## MATERIALS REQUIRED BUT NOT PROVIDED

- CampyGen™ Compact Sealing Clips (Cat. no. AN005C)
- Plastic Pouches (Cat. no. AG020C)

Standard microbiological supplies and equipment such as loops, other culture media, slides, staining supplies, microscopes, incinerators, incubators, seal bars or clips, etc., as well as serological and biochemical reagents, are not provided.

## QUALITY CONTROL

Hardy Diagnostics tests each lot of commercially manufactured media using appropriate quality control microorganisms and quality specifications as outlined on the Certificate of Analysis (CofA) and the CLSI document M22-A3 *Quality Assurance for Commercially Prepared Microbiological Culture Media*. The following microorganisms are routinely used for testing at Hardy Diagnostics:

| Test Organisms                             | Reaction |
|--|----------|
| <i>Campylobacter jejuni</i><br>ATCC® 33291 | Growth   |

\* Refer to the document "[Inoculation Procedures for Media QC](#)" for more information.

## PHYSICAL APPEARANCE

CampyGen™ Compact should appear as white paper sachets individually packaged within a foil pouch.



CampyGen™ Compact Gas Generating System  
(Cat. no. CN020C).

## REFERENCES

1. Van Horn, K.G., et al. 1997. *Journal of Clinical Microbiology* ; Vol. 35, No. 8, p. 2170-2173. American Society for Microbiology.
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3. Jorgensen., et al. *Manual of Clinical Microbiology* , 6th ed. American Society for Microbiology, Washington, D.C.

4. Tille, P., et al. *Bailey and Scott's Diagnostic Microbiology* , C.V. Mosby Company, St. Louis, MO.
5. Isenberg, H.D. *Clinical Microbiology Procedures Handbook* , Vol. I & II. American Society for Microbiology, Washington, D.C.
6. Koneman, E.W., et al. *Color Atlas and Textbook of Diagnostic Microbiology* , J.B. Lippincott Company, Philadelphia, PA.
6. Package Insert, Oxoid Ltd., Basingstoke, Hampshire, RG24 8PW, England. November, 1997.

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IFU-10318[A]



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[Ordering Information](#)

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