ImmunoCell® Growth Medium (ICGM) Phenol Red Free Closed System Solutions (CSS)™

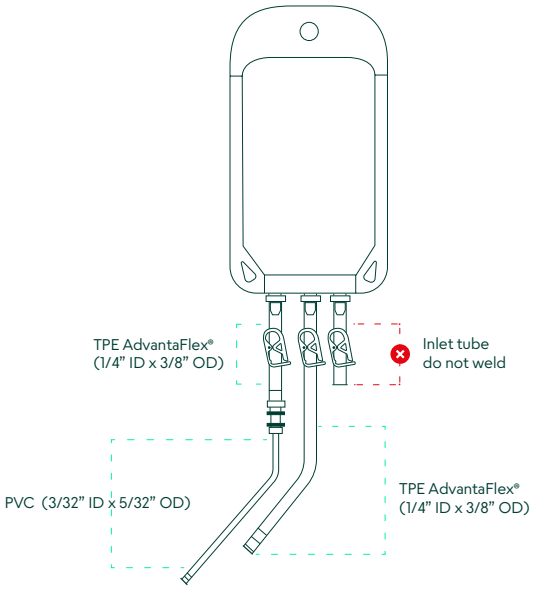
Bag (1000 mL) Cat # AK9988-1000

General:

Akron's ImmunoCell® Growth Medium (ICGM) Phenol Red Free Closed System Solutions (CSS)™ is supplied as a ready-to-use liquid formulation in sterile polyethylene bags with multiple closed-connection options, enabling sterile docking into modern closed-system cell culture bioprocessing workflows. The liquid formulation and closed-system packaging are designed to support safe and efficient handling of culture media within a fully contained system.

A clean workspace and appropriate aseptic technique are recommended when handling Akron's ICGM CSS. Do not place heavy objects directly on top of the ICGM CSS bag, as excessive pressure may compromise packaging integrity. Ensure the pinch-clamp on the outlet tubing remains closed until a closed connection is established using the method described below. Each unit is supplied with a protective, non-sterile, poly bag over pouch.

Connection Method - Weldable Tubing:



The ICGM CSS bag is equipped with one inlet and two outlet tubes. One outlet tube, located centrally, is made of weldable TPE AdvantaFlex® tubing (1/4" ID × 3/8" OD) and is approximately 12 inches in length. The second outlet consists of two sections made from different weldable tubing materials and with different dimensions. The proximal section is composed of weldable TPE AdvantaFlex® tubing (1/4" ID × 3/8" OD) and is approximately 6 inches in length. This section is connected via a reducer to the distal section, which is composed of standard weldable PVC tubing (3/32" ID × 5/32" OD) and is also approximately 6 inches in length.

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Both TPE and PVC outlet tubing may be used for material transfer from the ICGM CSS bag. Due to its larger inner diameter, the TPE outlet tubing allows for a higher flow rate and is recommended when faster bulk transfer is desired. The PVC outlet tubing, with its smaller inner diameter, may be used for controlled additions, such as the transfer of cytokines or other supplemental molecules into the bag.

Please note, the short, sealed tube connected to the bag was used as the inlet tube and is not recommended for material removal.

The steps below describe a general approach for making a weldable connection to ICGM Phenol Red Free CSS bag. Prior to use, confirm compatibility with your closed-system equipment and follow your facility's approved SOPs for sterile welding and aseptic handling.

- Place desired outlet tubing into the tube welding machine along with process line.
- Run standard aseptic welding protocol.
- Release the pinch-clamp on the outlet tube now welded to your process line.
- Allow solution from ICGM CSS bag to transfer into the process line by gravity flow.

- If necessary to expunge residual ICGM phenol red-free material after gravity transfer, the user may manually compress the bag by hand with caution.
  - **Please note:** bag performance has not been evaluated under mechanical or robotic compression.
- Reverse flow may be applied, at the user's discretion, to ensure full mixing of solution with culture medium.

For more information on our available products or for technical assistance, see contact info below.
For contract orders under master supply agreement, please inquire.