

Cell Culture



Convenient, stocked,
and prefilled media and
reagents—it's in the bag
GIBCO® Media and Reagents in Universal Bags



 invitrogen™



Cell Culture

GIBCO® media and reagents— now available stocked in flexible packaging

- Conveniently designed for larger-scale work—prefilled with GIBCO® media and reagents in a variety of formulations and sizes
- Easily integrated with automated systems—unique universal design provides multiple connection options on cell culture instrumentation
- Stocked and ready when you need them—no waiting for custom orders

Ready, on demand

As your cell culture moves from the bench top to larger-scale systems, you'll need access to larger quantities of media, ready to deliver in a convenient format. As the industry leader in cell culture media and reagents, GIBCO® products are available when you need them. Provided with the highest-quality reagents to

maximize your results, GIBCO® universal bags are designed with universal tubing connections for easy integration into your automated cell maintenance systems. There's no need to wait four to six weeks for made-to-order bagged media. Just order your media products directly from Invitrogen, prefilled with 5 L or 10 L in a universal bag (Figure 1), with the formulation of your choice. Choose from a variety of stocked formulations including DMEM,



Figure 1—Choose your prefilled GIBCO® formulation. GIBCO® universal bags are available prefilled with a selection of GIBCO® media and reagents, in 5 L and 10 L sizes.

RPMI, DMEM/F-12, PBS, HBSS, SF-900™ II, and TrypLE™ Express (Figure 3). The bags are stocked and ready to ship when you place your order. For specially formulated media, simply order the universal bag as a custom product. Our knowledgeable Invitrogen packaging team is available to assist you with selecting packaging configurations for a wide variety of applications to suit your needs.

Flexible, four-port design

GIBCO® universal bags are compatible with four different mechanical connection methods (blood spike, male-threaded luer, female-threaded luer, and MPC quick connect; Figure 2), and provide:

- A versatile media transfer system that maintains a closed system by utilizing three preconnected G-Flex® tubing transfer lines

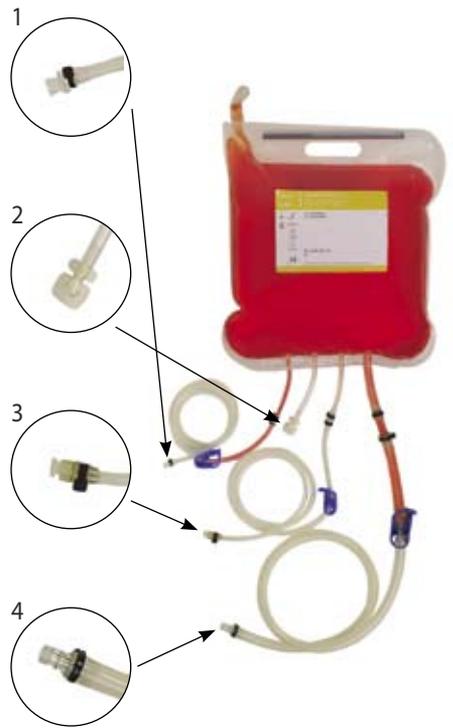


Figure 2—Four-port design. GIBCO® universal bags have a flexible four-port design offering versatility and convenience: (1) female-threaded luer, (2) blood spike, (3) male-threaded luer, (4) MPC quick connect.

- Greater flow rate flexibility through a variety of tubing sizes: $\frac{1}{8}$ " \times $\frac{1}{4}$ " (3.2 mm \times 6.4 mm), $\frac{3}{16}$ " \times $\frac{5}{16}$ " (4.8 mm \times 7.9 mm), and $\frac{3}{8}$ " \times $\frac{5}{8}$ " (9.5 mm \times 15.9 mm) (ID \times OD)
- Compatibility with the most commonly used thermoplastic tubing for sterile and aseptic connection devices

Animal origin—free contact layer

The animal origin—free universal bag film (Solvay™ BF-1400) meets USP Class VI requirements and has an ethylene vinyl acetate (EVA) media contact layer (Figure 4), which has been fully qualified* and widely used in many cell culture applications. This new line of flexible packaging allows you to utilize and integrate a single-use, disposable container with a variety of automated cell culture instruments, disposable bioreactor systems, and sterile connection processes without the need for costly customization.



Figure 3—TrypLE™ Express, the gentle, room temperature—stable cell dissociation enzyme available in the GIBCO® universal bag format.

FILM CONSTRUCTION



EVA contact surface

- 1 0.0010" LDPE (low-density polyethylene)
- 2 0.0005" EVOH (ethyl vinyl alcohol; gas barrier layer)
- 3 0.0010" LDPE (low-density polyethylene)
- 4 0.0100" EVA (ethylene vinyl acetate)

Figure 4—Animal origin—free Solvay™ BF-1400 film construction detail.

Stick with the industry-trusted leader for your large-scale cell culture media and reagents.

Order GIBCO® media and reagents in universal bags from Invitrogen today.

Product	Quantity	Cat. no.
DPBS without calcium chloride, magnesium chloride, or phenol red	5 L	14190-342
	10 L	14190-359
	20 L	14190-367
HBSS without calcium chloride, magnesium chloride, or magnesium sulfate	5 L	14170-195
	10 L	14170-203
DMEM high glucose with L-glutamine, without sodium pyruvate	5 L	11965-167
	10 L	11965-175
DMEM high glucose with GlutaMAX™-I, without sodium pyruvate	5 L	10566-032
	10 L	10566-040
DMEM high glucose, with L-glutamine and sodium pyruvate	5 L	11995-115
	10 L	11995-123
DMEM high glucose, with GlutaMAX™-I and sodium pyruvate	5 L	10569-069
	10 L	10569-077
RPMI Medium 1640 with L-glutamine	5 L	11875-168
	10 L	11875-176
RPMI Medium 1640 with GlutaMAX™-I	5 L	61870-143
	10 L	61870-150
DMEM with L-glutamine and HEPES buffer, without sodium pyruvate	5 L	12430-112
	10 L	12430-120
DMEM with GlutaMAX™-I and HEPES buffer, without sodium pyruvate	5 L	10564-037
	10 L	10564-045
RPMI Medium 1640 with L-glutamine and HEPES buffer	5 L	22400-147
	10 L	22400-154

Product	Quantity	Cat. no.
RPMI Medium 1640 with GlutaMAX™-I and HEPES buffer	5 L	72400-146
	10 L	72400-153
Distilled Water	5 L	15230-253
	10 L	15230-261
	20 L	15230-279
SF-900™ II with L-glutamine	5 L	10902-161
	10 L	10902-179
	20 L	10902-187
SF-900™ III with L-glutamine	10 L	12658-035
DMEM/F-12 with L-glutamine and HEPES buffer	5 L	11330-099
	10 L	11330-107
TrypLE™ Express 1X with phenol red	5 L	12605-093
TrypLE™ Express 1X without phenol red	5 L	12604-054

For additional information, to place your order, or to request a custom format, formulation, or film construction, please contact Invitrogen Customer Service or visit www.invitrogen.com/universalsbags.

* For a copy of the GIBCO® universal bag validation specifications and performance results, contact Invitrogen's Technical Support department.

G-Flex® is a registered trademark of Consolidated Polymer Technologies (CPT).
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