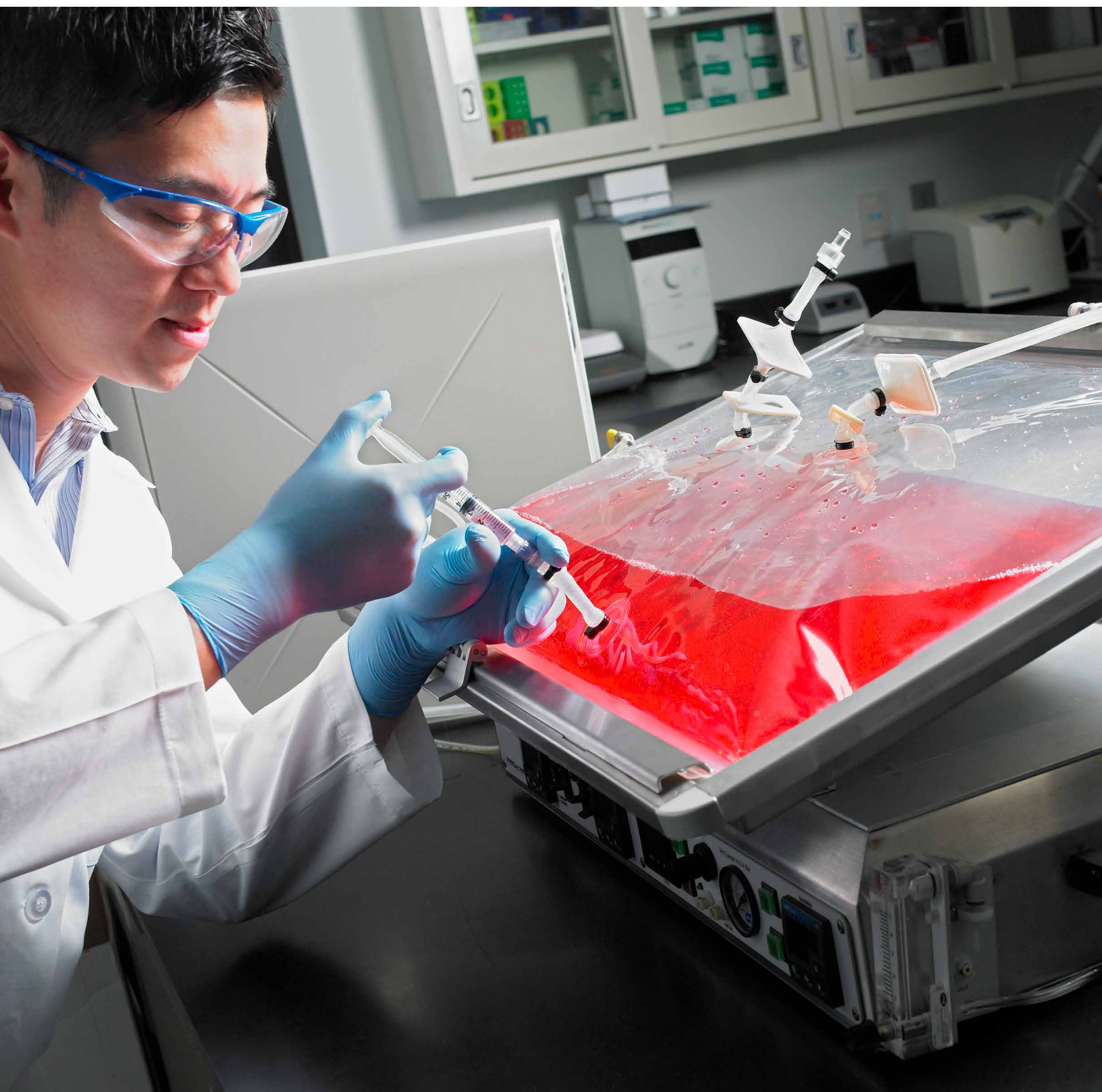


# Corning® Custom Media and Serum Solutions

Media, sera, and reagents to meet your unique  
needs from research to commercial production

CORNING



# Corning® Custom Media and Serum Solutions

Leverage Corning's expertise and broad product portfolio to support your product pipeline from discovery to commercial production. From cell culture and drug discovery to vaccine and antibody production, our custom manufacturing services can produce tailored media, sera, reagents, and sterile solutions to meet your unique research and production needs.

Media products are manufactured under the current ISO 13485 standard and FDA Quality System Regulation 21 CFR 820, also known as cGMP (current good manufacturing practices). We offer industry-leading media products and process quality that meets cGMP requirements for manufacturing and sterility.

Our serum products are collected, processed, and tested in accordance with cGMP standards and EP (European Pharmacopeia) and USP (United States Pharmacopeia) methods. Corning facilities are ISIA traceability certified for serum. Some serum products have Certificates of Suitability from EDQM.

Corning custom media and sterile solutions are produced in separate designated animal and non-animal manufacturing suites and high quality water is used in all production. Corning custom media and sterile solutions can be supplied in liquid or powder formats. Our expert manufacturing and reliable supply of serum products perfectly complement our classical cell culture media portfolio.

## Large-scale cGMP Batch Capabilities

Packaging/Container Sizes	Volume
<b>Liquid Media</b>	
Overall batch sizes	100L to 8,000L
Animal	10L to 200L 1,000L to 6,000L
Non-animal	100L to 200L 400L to 2,000L 1,600L to 8,000L
<b>Powder Media</b>	
Overall batch sizes	50 to 1,000 kg

## Custom Small-scale Pilot Batches

We can rapidly provide small-scale pilot batches ideal for development and testing purposes prior to cGMP scale-up. A summary of quality control tests performed on liquid pilot batches is available for endotoxin, appearance, pH, osmolality, and conductivity.

Packaging/Container Sizes	Volume
<b>Standard Bags</b>	
1L, 5L, 10L, 20L bags	1L to 100L
<b>Liquid Media</b>	
Standard bottles: 50 mL, 100 mL, 500 mL, 1L bottles	1L to 100L



Corning can provide you with a full range of products to meet your custom media formulation, packaging, and regulatory requirements and support you with experience and expertise along the way.

## Our standard and custom product offerings include:

### Media and Reagents

- ▶ Classical media and serum-free formulations
- ▶ Sterility challenge media (tryptic soy broth) for use in biopharmaceutical production validation
- ▶ Supplements
- ▶ Insect cell culture formulations
- ▶ Downstream purification buffers
- ▶ Cell and tissue processing solutions
- ▶ Diluents and controls
- ▶ Customer specific formulations

### High Quality Water

- ▶ Tested to specifications that may include USP and/or EP and/or JP monograph requirements
- ▶ Cell culture grade
- ▶ Molecular grade: RNase-/DNase-free and protease-free
- ▶ Reagent grade: RNase-/DNase-free and protease-free

## Our serum product offerings include:

### FBS (Fetal Bovine Serum)

- ▶ Corning's premium FBS is only collected from government approved abattoirs in the United States, Australia, and New Zealand.
- ▶ Corning's regular FBS is derived from government registered facilities in North and Central America.
- ▶ Traceability certified according to the ISIA Traceability Program.
- ▶ Certificate of Suitability (CEP) issued for United States origin.
- ▶ Comprehensive testing meeting USP and EP requirements and flexibility to complete custom needs.
- ▶ Tank heat inactivation technology.
- ▶ Validated gamma irradiation protocols in place for two dose ranges of 25 to 40 kGy and 30 to 45 kGy.
- ▶ Extensive portfolio of treatments available including dialysis, charcoal dextrane, and IgG removal.

### Bovine Calf Serum

- ▶ Iron fortification capability upon request.
- ▶ Tank heat inactivation technology.
- ▶ Validated gamma irradiation protocols in place for two dose ranges of 25 to 40 kGy and 30 to 45 kGy.

In addition to FBS and Bovine Calf Serum, Donor Horse, Sheep, and Rabbit Serum are available upon request.

For more specific information on claims, visit the Certificates page at [www.corning.com/lifesciences](http://www.corning.com/lifesciences).

**Warranty/Disclaimer:** Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

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For additional product or technical information, visit [www.corning.com/lifesciences](http://www.corning.com/lifesciences) or call 800.492.1110. Outside the United States, call +1.978.442.2200 or contact your local Corning sales office.