

gibco



Gibco cell culture sera
for bioprocessing

ThermoFisher
SCIENTIFIC

Gibco sera—trusted quality for consistent performance

We are the world's largest serum supplier, offering the highest quality sera from BSE-negligible regions for cell culture in biopharmaceuticals manufacturing. We customize our serum products and provide best-in-class technical and analytical support to meet the needs of industrial customers.

Key features:

Vertically integrated manufacturing process

Gibco™ sera is made using vertically integrated manufacturing facilities and processes—finished at the source—to help ensure the highest levels of traceability and quality, and to help avoid the risk of cross-contamination.

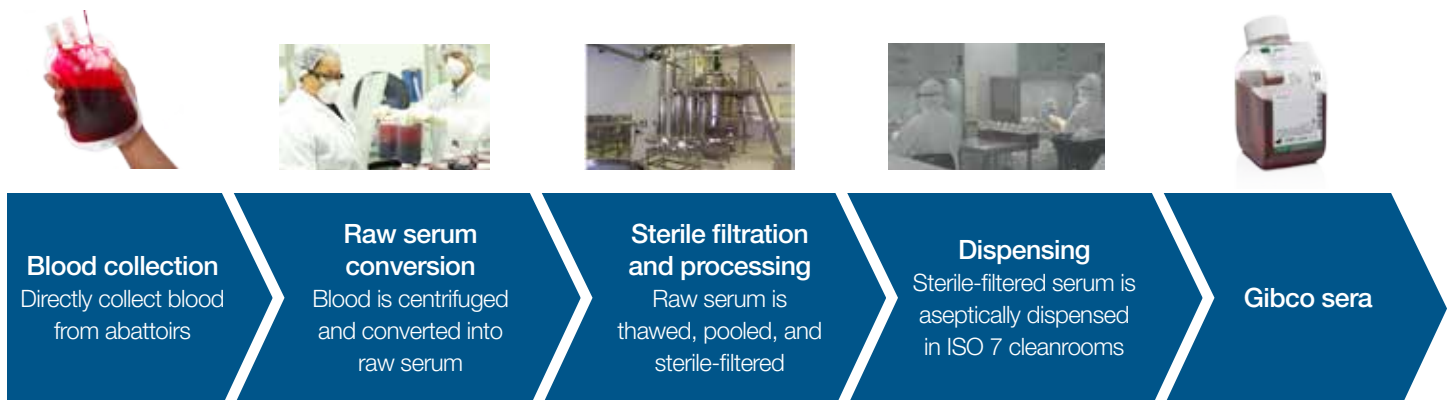


Figure 1. Manufacturing process for Gibco sera originating in Australia and New Zealand.

Proprietary bovine viral diarrhea virus (BVDV) screening process to help eliminate BVDV virus risk in fetal bovine serum (FBS)

We perform exclusive screening for BVDV in Australia and New Zealand to help ensure the lowest viral risk available. Virus screening is performed at initial processing steps prior to pooling.

FBS that tests negative for BVDV in the screening process is provided to industrial customers. FBS that tests positive in the screening process is provided to academic customers or customers not requiring a BVDV-negative specification.



International Serum Industry Association (ISIA) traceability certification

Gibco sera has gone through a rigorous process to obtain ISIA traceability certification. Thermo Fisher Scientific is the first global company to be ISIA-certified for traceability.

Traceability certification ensures that we guarantee records of traceability from origin throughout the supply chain for all serum batches. We maintain the history for both quality and quantity, from the point of collection through the inspection and auditing processes.

Important FBS market update

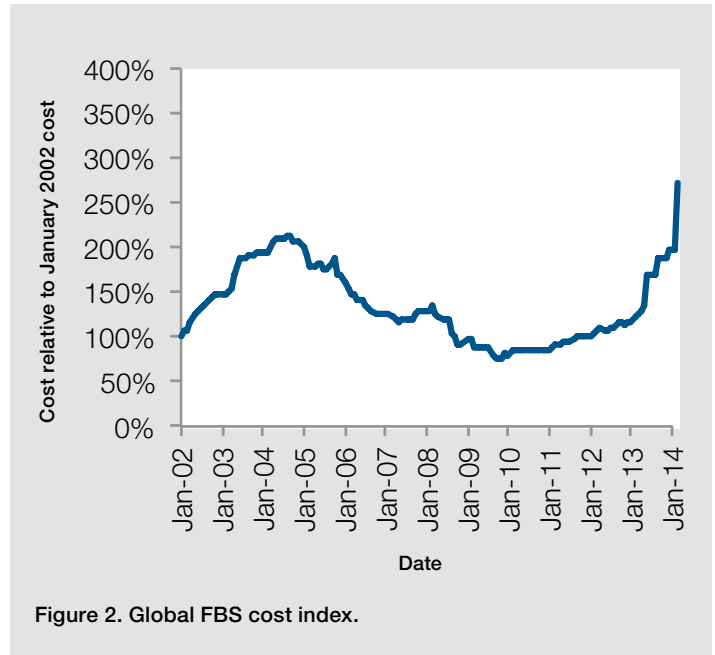
FBS is a by-product of the beef industry, which drives availability and cost for manufacturers of cell culture products.

Due to rising costs (Figure 2) of the raw materials needed to produce FBS, prices are expected to continue the upward trend.

Specific causes for these increases include, but are not limited to:

- Reduction in supply due to climatic events and economic conditions
- Increased demand from life science and pharmaceutical customers

We have made significant efforts to maintain supply continuity and minimize impacts to our customers. Please contact your dedicated account manager if you have any questions. We will work closely with you to meet your needs.



More choice and control over your process

Choose the right sera for your specific bioprocessing needs. Whether you need sera with the least viral risk, with the lowest endotoxin levels, or qualified for specialty applications, Gibco™ products offer you a broad range of choices and value.

Category	Applications	Performance requirements	Cat. No.	Product description*
Standard	For basic research with robust cell lines; excellent value	Endotoxin routinely ≤ 50 EU/mL	10437028	FBS, Qualified, USDA-Approved Regions, 500 mL
			10437085	FBS, Qualified, One Shot, USDA-Approved Regions, 40 x 50 mL
			10437077	FBS, Qualified, One Shot, USDA-Approved Regions, 50 mL
			10438026	FBS, Qualified, Heat Inactivated, USDA-Approved Regions, 500 mL
			12483020**	FBS, Qualified, Canada Origin, 500 mL
			12484028**	FBS, Qualified, Heat Inactivated, Canada Origin, 500 mL
			12657029	FBS, Qualified, South American Origin, 500 mL
Performance	For general cell culture with common cell lines; now from a BSE-negligible region	Low endotoxin, ≤ 10 EU/mL	16140071	FBS, Qualified, Heat Inactivated, United States Origin, 500 mL
			26140079	FBS, Qualified, United States Origin, 500 mL
			26140111	FBS, Qualified, One Shot, United States Origin, 50 mL
			26140129	FBS, Qualified, One Shot, United States Origin, 40 x 50 mL
Performance Plus	For a broad range of cell types, including sensitive cell lines; from a BSE-negligible region	Lowest endotoxin, ≤ 5 EU/mL; certificate of analysis includes biochemical and hormonal profile	10082147	FBS, Certified, Heat Inactivated, United States Origin, 500 mL
			16000044	FBS, Certified, United States Origin, 500 mL
			16000077	FBS, Certified, One Shot, United States Origin, 50 mL
			16000085	FBS, Certified, One Shot, United States Origin, 40 x 50 mL
Secure	For the least viral risk; from BSE-negligible regions	Standard testing, plus exclusive BVDV screening of raw material (FBS) or donor animals (DBS)	10091148	FBS, Qualified, New Zealand Origin, 500 mL
			10099141	FBS, Qualified, Australia Origin, 500 mL
			10100147	FBS, Qualified, Heat Inactivated, Australia Origin, 500 mL
			16010159	Newborn Calf Serum, New Zealand Origin, 500 mL
			16170078	Bovine Serum, New Zealand Origin, 500 mL
			26010074	Newborn Calf Serum, Heat Inactivated, New Zealand Origin, 500 mL
			26170043	Bovine Serum, Heat Inactivated, New Zealand Origin, 500 mL
Specialty	For specialty research and specific assays, including stem cell research, immunoassays, and antibody production	Product-specific tests help ensure consistency and performance	10439024	FBS, ESC-Qualified, USDA-Approved Regions, 500 mL
			12662029	FBS, MSC-Qualified, USDA-Approved Regions, 500 mL
			12676011 [†]	FBS, Charcoal Stripped, USDA-Approved Regions, 50 mL
			12676029 [†]	FBS, Charcoal Stripped, USDA-Approved Regions, 500 mL
			12763025	FBS, MSC-Qualified, United States Origin, 500 mL
			16050122	Horse Serum, New Zealand Origin, 500 mL
			16110082	Chicken Serum, New Zealand Origin, 500 mL
			16141079	FBS, ESC-Qualified, United States Origin, 500 mL
			16210072	Goat Serum, New Zealand Origin, 500 mL
			16250078	FBS, Ultra-Low IgG, United States Origin, 500 mL
			26050088	Horse Serum, Heat Inactivated, New Zealand Origin, 500 mL
			26400044	FBS, Dialyzed, United States Origin, 500 mL
			1921005PJ	FBS, Ultra-Low IgG, New Zealand Origin, 500 mL
			16030074	Donor Bovine Serum, New Zealand Origin, 500 mL
			10371029	Donor Bovine Serum with Iron, New Zealand Origin, 500 mL

* Also available in 100 mL and 1,000 mL sizes.

** For Research Use Only. Not for use in diagnostic procedures.

Know your sera—product cross-reference

Gibco sera are preferred worldwide for their trusted quality and consistent performance.

GE Healthcare/ HyClone Cat. No.	GE Healthcare/HyClone product description	Gibco Cat. No.	Gibco product description
SH30068.03	Charcoal/Dextran Treated FBS, United States Origin	12676029**	FBS, Charcoal Stripped, USDA-Approved Regions
SH30070.03	Defined FBS, United States Origin	16000044	FBS, Certified, United States Origin
SH30070.03E	ES Cell Screened FBS, United States Origin	16141079	FBS, ESC-Qualified, United States Origin
SH30071.03	Characterized FBS, United States Origin	26140079	FBS, Qualified, United States Origin
SH30071.03HI	Characterized FBS, Heat Inactivated, United States Origin	16140071	FBS, Qualified, Heat Inactivated, United States Origin
SH30079.03	Dialyzed FBS, United States Origin	26400044	FBS, Dialyzed, United States Origin
SH30084.03	Characterized FBS, Australia Origin	10099141	FBS, Qualified, Australia Origin
SH30088.03HI	Standard FBS, Heat Inactivated, United States Origin	10438026	FBS, Qualified, Heat Inactivated, USDA-Approved Regions
SH30396.03	Characterized FBS, Canadian Origin	12483020**	FBS, Qualified, Canada Origin
SH30406.02	Characterized FBS, New Zealand Origin	10091148	FBS, Qualified, New Zealand Origin
SH30898.03	Super Low IgG FBS, United States Origin	16250078	FBS, Ultra-Low IgG, United States Origin
SV30014.03	USDA Tested FBS, Central America Origin	10437028	FBS, Qualified, USDA-Approved Regions
Sigma/SAFC Cat. No.	Sigma/SAFC product description	Gibco Cat. No.	Gibco product description
12003C	FBS, Australia Origin	10099141	FBS, Qualified, Australia Origin
12203C	FBS, New Zealand Origin	10091148	FBS, Qualified, New Zealand Origin
12303C	FBS, USDA-Approved	10437028	FBS, Qualified, USDA-Approved Regions
12306C	FBS, Heat Inactivated, USDA-Approved	10438026	FBS, Qualified, Heat Inactivated, USDA-Approved Regions
F0392	FBS, Dialyzed, United States Origin	26400044	FBS, Dialyzed, United States Origin
F2442	FBS, United States Origin	16000044	FBS, Certified, United States Origin
F4135	FBS, Heat Inactivated, United States Origin	16140071	FBS, Qualified, Heat Inactivated, United States Origin
F6178	FBS, Qualified, United States Origin	26140079	FBS, Qualified, United States Origin
F6765	FBS, Charcoal Stripped, United States Origin	12676029**	FBS, Charcoal Stripped, USDA-Approved Regions
Gemini Cat. No.	Gemini product description	Gibco Cat. No.	Gibco product description
100-101	GemCell™ United States Origin Adult Bovine Serum	16030074	Donor Bovine Serum, New Zealand Origin
100-106	BenchMark™ FBS, USDA-Approved	10437028	FBS, Qualified, USDA-Approved Regions
100-108	Dialyzed FBS	26400044	FBS, Dialyzed, United States Origin
100-119	Charcoal: Dextran Stripped FBS	12676029**	FBS, Charcoal Stripped, USDA-Approved Regions
100-120	AbSolute™ Low IgG FBS	16250078	FBS, Ultra-Low IgG, United States Origin
100-125	Stasis™ Stem Cell Qualified FBS, USDA-Approved	10439024	FBS, ESC-Qualified, USDA-Approved Regions
100-500	GemCell United States Origin FBS	16000044	FBS, Certified, United States Origin
100-525	Stasis Stem Cell Qualified FBS, United States Origin	16141079	FBS, ESC-Qualified, United States Origin
100-700	No-Worries™ FBS, Australia/New Zealand Origin	10091148	FBS, Qualified, New Zealand Origin
900-108	Foundation™ FBS (Grade IV), USDA-Approved	10437028	FBS, Qualified, USDA-Approved Regions
Atlanta Biologicals Cat. No.	Atlanta Biologicals product description	Gibco Cat. No.	Gibco product description
S10250	Embryonic Stem Cell Qualified FBS, USDA-Approved	10439024	FBS, ESC-Qualified, USDA-Approved Regions
S11050	Advantage FBS, United States Origin or USDA-Approved	10437028	FBS, Qualified, USDA-Approved Regions
S11050H	Advantage Heat Inactivated FBS, United States or USDA	10438026	FBS, Qualified, Heat Inactivated, USDA-Approved Regions
S11550	Premium Select FBS, United States Origin or USDA-Approved	16000044	FBS, Certified, United States Origin
S11550H	Premium Select Heat Inactivated FBS, United States or USDA	10082147	FBS, Certified, Heat Inactivated, United States Origin
S11650	Charcoal/Dextran Treated FBS, USDA-Approved	12676029**	FBS, Charcoal Stripped, USDA-Approved Regions
S12450	Optima FBS, United States Origin	26140079	FBS, Qualified, United States Origin
S12450H	Optima Heat Inactivated FBS, United States Origin	16140071	FBS, Qualified, Heat Inactivated, United States Origin
S12650	FBS, Dialyzed 10 kD, USDA-Approved	26400044	FBS, Dialyzed, United States Origin
Seradigm Cat. No.	Seradigm product description	Gibco Cat. No.	Gibco product description
1600-500	FBS Ultimate Grade, United States Origin	16000044	FBS, Certified, United States Origin
1600-500H	FBS Ultimate Grade, Heat Inactivated, United States Origin	10082147	FBS, Certified, Heat Inactivated, United States Origin
1500-500	FBS Premium Grade, United States Origin	26140079	FBS, Qualified, United States Origin
1500-500H	FBS Premium Grade, Heat Inactivated, United States Origin	16140071	FBS, Qualified, Heat Inactivated, United States Origin
1300-500	FBS, USDA-Approved	10437028	FBS, Qualified, USDA-Approved Regions

** For Research Use Only. Not for use in diagnostic procedures.

gibco



Contact your local representative for more information about Gibco sera, or go to [thermofisher.com/seraforbioprocessing](https://www.thermofisher.com/seraforbioprocessing)

ThermoFisher
SCIENTIFIC

For *In Vitro* Diagnostic Use, unless otherwise specified. © 2016 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. HyClone is a trademark of HyClone Laboratories, Inc. Sigma/SAFC is a trademark of MilliporeSigma (formerly SAFC Carlsbad). Gemini, GemCell, BenchMark, AbSolute, Stasis, No-Worries, and Foundation are trademarks of Gemini Bio-Products. Atlanta Biologicals is a trademark of Atlanta Biologicals, Inc. Seradigm is a trademark of VWR. **COL11583 0916**