

Bioprocessing



Gibco Sodium Chloride (NaCl)

Enhance bioprocessing efficiency with ready-to-use sodium chloride solutions

Gibco™ Sodium Chloride (NaCl) solutions are sterile filtered, packaged in bioprocess containers, and ready to use. Sourcing NaCl solutions can help streamline your buffer preparation allowing you to focus on additional critical steps in your biopharmaceutical processes.

Applications

NaCl plays a key role in bioprocessing applications, from creating the ideal conditions for cell growth to downstream purification steps.

Quality

We mix compendial-grade NaCl with the same bulk water used in our Gibco Water for Injection (WFI) for Cell Culture to produce solutions that meet the most stringent expectations of the pharmaceutical, biopharma, and diagnostic industries. NaCl solutions are manufactured to cGMP (21CFR820) and ISO13485 standards, promoting consistency and convenience for every stage of the bioprocessing pipeline.

Specifications

- **Multi-compendial testing:** Compendial-grade raw materials
- **Shelf life:** 12-months from date of manufacture
- **Primary packaging:** Aegis™ 5-14 single-use bioprocess container
- **Secondary packaging:** Rigid shipping container with appropriate dunnage
- **Manufacturing facilities:** ISO 13485-certified, cGMP-compliant to 21 CFR Part 820 standard

Product features

- Multiple concentrations available (0.1 M, 0.2 M, 0.5 M, 1.0 M, 2.0 M)
- Available in a range of pack sizes (5 L, 20 L, 200 L)
- Established products with set specifications are ready to order
- Manufactured to ISO and cGMP standards to meet the stringent expectations of highly regulated industries
- Readily accessible documentation for accelerated qualification

User benefits

- Eases the time requirements dedicated for in-house buffer preparation
- Mitigates space required for equipment storage
- Streamlines in-house chromatography processes related to formulation, hydration, testing, and validation
- Meets workflow needs for all stages of biologic development and manufacturing

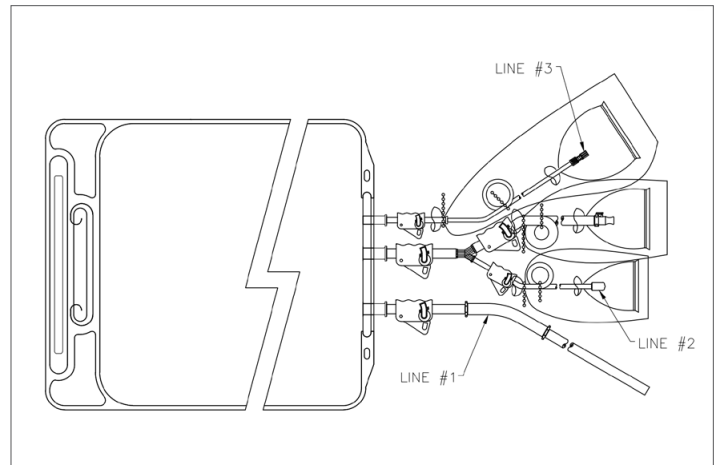
Release testing included in the Certificate of Analysis

Concentration	Conductivity (mS/cm)	Osmolality (mOsm/kg)	Molarity (M)	Appearance	Sterility	Endotoxin
0.1 M	8.8-10.4	167-207	0.08-0.12	Clear, colorless solution	Negative	<=1.0 EU/mL
0.2 M	16.7-20.2	354-394	0.16-0.24			
0.5 M	39.1-45.9	880-980	0.40-0.60			
1.0 M	74.5-81.1	1810-1937	0.80-1.20			
2.0 M	127.2-141.9	1390-2059*	1.60-2.40			

* Based on 1:1 dilution

5 L bioprocess container design

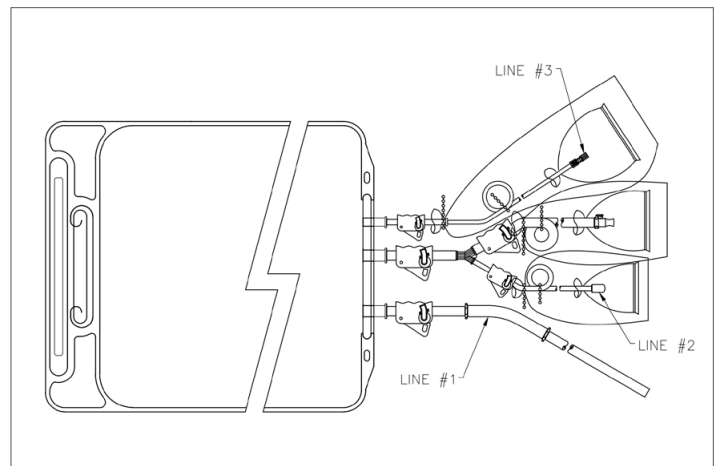
Line	Tubing	Connectors
1	C-Flex™ 374 and EVA tubing	Thermo Fisher Scientific fill line, sealed and cut at EVA
2	C-Flex™ 374 tubing 3/8" ID X 5/8" OD X 1/8" Wall Length: 42" 1/4" ID X 3/8" OD X 1/16" Wall	<ul style="list-style-type: none"> Polycarbonate quick connect, 3/8" insert (MPC) Polypropylene, Luer lock, male 1/4"
3	C-Flex™ 374 tubing 1/8" ID x 1/4" OD x 1/16" Wall Length: 46"	Smartsite® needle-free valve port with polycarb Luer thread cover



5 L bioprocess container design

20 L bioprocess container design

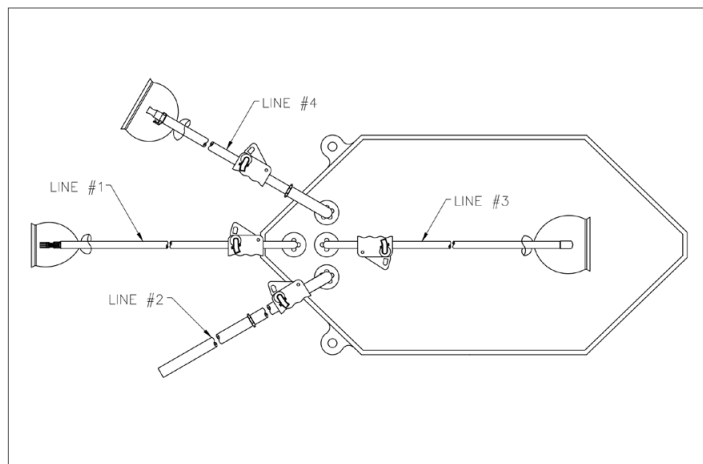
Line	Tubing	Connectors
1	C-Flex™ 374 and EVA tubing	Thermo Fisher Scientific fill line, sealed and cut at EVA
2	C-Flex™ 374 tubing 3/8" ID X 5/8" OD X 1/8" Wall Length: 42" 1/4" ID X 3/8" OD X 1/16" Wall	<ul style="list-style-type: none"> Polycarbonate quick connect, 3/8" insert (MPC) Polypropylene, Luer lock, male 1/4"
3	C-Flex™ 374 tubing 1/8" ID x 1/4" OD x 1/16" Wall Length: 46"	Smartsite® needle-free valve port with polycarb Luer thread cover



20 L bioprocess container design

200 L bioprocess container design

Line	Tubing	Connectors
1	C-Flex™ 374 tubing 1/4" ID X 1/2" OD X 1/8" Wall Length: 48"	<ul style="list-style-type: none"> Smartsite® needle-free valve port with polycarb Luer thread cover Polypropylene, Luer lock, female 1/4"
2	C-Flex™ 374 and PVC tubing	Thermo Fisher Scientific fill line, sealed and cut at PVC
3	C-Flex™ 374 tubing 1/4" ID X 1/2" OD X 1/8" Wall Length: 48"	Polypropylene, Luer lock, male 1/4"
4	C-Flex™ 374 tubing 3/8" ID X 5/8" OD X 1/8" Wall Length: 39"	Polycarbonate quick connect, 3/8" insert (MPC)



200 L bioprocess container design

Ordering information

Description	Unit size	Cat. No.
0.1 M NaCl	5 L	A5792201
	20 L	A5792202
	200 L	A5792203
0.2 M NaCl	5 L	A5802801
	20 L	A5802802
	200 L	A5802803
0.5 M NaCl	5 L	A5802901
	20 L	A5802902
	200 L	A5802903
1.0 M NaCl	5 L	A5803001
	20 L	A5803002
	200 L	A5803003
2.0 M NaCl	5 L	A5803101
	20 L	A5803102
	200 L	A5803103

Related products

Product	Description	Cat. No
Gibco Sodium Hydroxide (NaOH)	1.0 M, 20 L	A4782901
	1.0 M, 200 L	A4782902
	0.5 M, 20 L	A4782801
	0.5 M, 200 L	A4782802
Gibco Water for Injection (WFI)	0.1 M, 20 L	A4782601
	0.1 M, 200 L	A4782602
	20 L	A1287305
	200 L	A1287306
Gibco 20% Ethanol (EtOH)	5 L	A5803201
	20 L	A5803202
	200 L	A5803203

Optional customization

If you require additional concentrations, a specific raw material grade and/or unique bioprocess containers, ask your Thermo Fisher Scientific representative about customization.

Learn more at thermofisher.com/nacl

gibco

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