

# Evo™ Series Laboratory Fermentors & Bioreactors

## Selection Guide



The EVO series of sterilizable in place (SIP) fermentors and bioreactors are easy-to-use, customizable culture systems. Each EVO unit is equipped with a non-proprietary integrated control system that is common to the entire range of DCI-Biolafitte fermentors and bioreactors, offering a scalable solution from research and development through production. Use this Selection Guide to decide on the features you would like included on your system. Please contact a DCI-Biolafitte sales engineer to answer your questions and provide you with pricing information.

Code	Design Type	Select
X01	Bench top	<input type="checkbox"/>
X02	Free standing vessel	<input type="checkbox"/>
BF	Fermentation vessel geometry	<input type="checkbox"/>
CC	Cell culture vessel geometry	<input type="checkbox"/>
Code	Vessel Capacity (working/total)	Select
F01	10/15L or 10/18L	<input type="checkbox"/>
F02	15/20L or 15/25L	<input type="checkbox"/>
F03	20/30L or 20/35L	<input type="checkbox"/>
F04	30/40L	<input type="checkbox"/>
Code	Construction Code	Select
50A	ASME	<input type="checkbox"/>
50B	cGMP Validation	<input type="checkbox"/>
Code	Vessel Agitation and Accessories Options	Select
00	Obround sight glass ( <i>round sight glass included as standard</i> )	<input type="checkbox"/>
01	Vessel insulation	<input type="checkbox"/>
02	Magnetically coupled agitation ( <i>mechanically coupled agitation is standard</i> )	<input type="checkbox"/>
24	Resterilizable inoculation/nutrient addition port ( <i>septum included as standard</i> )	<input type="checkbox"/>
27	Independently resterilizable sample valve	<input type="checkbox"/>
31	Exhaust gas condenser	<input type="checkbox"/>
33	Dual purpose resterilizable bottom valve for harvesting and sampling	<input type="checkbox"/>
Code	Instrumentation Options	Select
41	Automatic back pressure control	<input type="checkbox"/>
42	Dissolved oxygen control	<input type="checkbox"/>
43	Foam/level control	<input type="checkbox"/>
45A	Vessel weight measurement (Scale)	<input type="checkbox"/>
45B	Continuous level measurement	<input type="checkbox"/>
49	Printer	<input type="checkbox"/>
50	Nutrient flow control (to accommodate variable speed pump)	<input type="checkbox"/>
51	Optical density measurement	<input type="checkbox"/>
52	O <sub>2</sub> , CO <sub>2</sub> exhaust gas analyzer	<input type="checkbox"/>



Code	Temperature Control Options	Select
21	Jacket circulating pump	
23A	Heating with steam heat exchanger (also requires option 21)	
23B	Heating with electric heater (also requires option 21)	
23C	Heating via direct steam injection	

Code	Control Options	Select
60B	Advanced version of supervision software	
60C	Expert version of supervision software	
60D	Control with PLC & Neptune IFIX Software	

Code	Gas Module Configuration	Select
30Rs	Air line with rotameter and solenoid valve	
30Ms	Air line with mass flow controller and solenoid valve	
31Rs	O <sub>2</sub> line with rotameter and solenoid valve	
31Ms	O <sub>2</sub> line with mass flow controller and solenoid valve	
32Rs	N <sub>2</sub> line with rotameter and solenoid valve	
32Ms	N <sub>2</sub> line with mass flow controller and solenoid valve	
33Rs	CO <sub>2</sub> line with rotameter and solenoid valve	
33Ms	CO <sub>2</sub> line with mass flow controller and solenoid valve	

Pumps	Select
Fixed speed peristaltic pump, internal QTY: _____	
Fixed speed peristaltic pump, external QTY: _____	
Variable speed peristaltic pump, internal QTY: _____	
Variable speed peristaltic pump, external QTY: _____	

Accessories	Select
Addition flask assembly – 100 ml flask	
Addition flask assembly – 250 ml flask	
Addition flask assembly – 500 ml flask	
Addition flask assembly – 1000 ml flask	
Sampling flask assembly – 250 ml flask	
2" TC x 56mm port plug assembly	
1½" TC x 56 mm port plug assembly	
1½" TC x 21 mm Ecc adapter assembly	

Additional equipment (connection assemblies, air compressor, steam production unit, etc.) and customized designs for specific applications are available on request.

**Project Name:** \_\_\_\_\_

Additional Notes

