

Medical Drug/Device Gas Mixtures

Biological Incubation Atmospheres

Biological atmosphere mixtures are used to control and maintain conditions in laboratory incubators and anaerobic chambers. This equipment is used to conduct studies on tissue and for the clinical growth of bacteria for research and diagnostic purposes.

The Puritan Medical Products line of biological atmosphere mixtures includes anaerobic and aerobic mixtures. Custom mixtures to meet specific atmospheric requirements are also available.

Anaerobic Mixtures

MIXTURE COMPOSITION	CYLINDER SIZE	CGA CONNECTION	CONTENTS		PRESSURE	PART NUMBER
			Cu Ft	Liters	PSIG @ 70° F	
5% Carbon Dioxide,** Balance Nitrogen	200	500	229	6475	2200	Z02 NI953200W025
	190	500	204	5780	2200	Z02 NI953190W024
3% Hydrogen, 97% Carbon Dioxide	200	350	86	2440	600	Z02 CD 973200W021
	190	350	77	2175	600	Z02 CD973190W026
5% Carbon Dioxide, 3% Hydrogen, Balance Nitrogen	200	350	229	6475	2200	Z03 NI923190X030
	190	350	204	5780	2200	Z03 NI923190W026
10% Carbon Dioxide, 5% Hydrogen, Balance Nitrogen***	200	350	229	6475	2200	Z03 NI853200W021
	190	350	204	5780	2200	Z03 NI853190W022

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Custom Anaerobic Mixtures

MIXTURE COMPOSITION	CYLINDER SIZE	CGA CONNECTION	CONTENTS*		PRESSURE	PART NUMBER
			Cu Ft	Liters	PSIG @ 70° F	
1% - 10% Hydrogen, Balance Carbon Dioxide	200	350	84	2440	600	CONTACT YOUR LOCAL PURITAN MEDICAL PRODUCTS GAS BRANCH FOR PART NUMBERS
	190	350	75	2175	600	
1% - 10% Carbon Dioxide, Balance Nitrogen	200	500	229	6475	2200	
	190	500	204	5785	2200	
1% - 10% Carbon Dioxide, 1% - 10% Hydrogen, Balance Nitrogen	200	350	229	6475	2200	
	190	350	204	5785	2200	

Recommended regulator: Model 40, page 55

* Contents will vary depending on the mixture requested.

** For use on BACTEC® HR660 and HR735 equipment.

*** For use on BACTEC® HR460 equipment.

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Aerobic Mixtures

MIXTURE COMPOSITION	CYLINDER SIZE	CGA CONNECTION	CONTENTS*		PRESSURE	PART NUMBER
			Cu Ft	Liters		
5% Oxygen, 10% Carbon Dioxide, Balance Nitrogen	200	500	229	6475	2200	Z02 NI853200W031 Z02 NI853190W030
	190	500	204	5785	2200	
5% Carbon Dioxide, Balance Oxygen**	200	296/500	229	6475	2200	Z02 OX943200W053 Z02 OX943190W052
	190	296/500	204	5785	2200	

i Recommended regulator: Model 40, page 57

* Contents will vary depending on the mixture requested.

** For use on BACTEC® HR460 equipment.

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Custom Aerobic Mixtures

MIXTURE COMPOSITION	CYLINDER SIZE	CGA CONNECTION	CONTENTS*		PRESSURE	PART NUMBER
			Cu Ft	Liters		
0.5% - 10% Carbon Dioxide, Balance Air	200	296/500	229	6475	2200	CONTACT YOUR LOCAL PURITAN MEDICAL PRODUCTS GAS BRANCH FOR PART NUMBERS
	190	296/500	204	5785	2200	
0.5% - 10% Carbon Dioxide, Balance Oxygen	200	296/500	229	6475	2200	
	190	296/500	204	5785	2200	

i Recommended regulator: Model 40, page 57

* Contents will vary depending on the mixture requested.

Campylobacter Incubation Gas Mixtures (Campy Gas)

These mixtures are most commonly used to promote maximum growth of Campylobacter bacteria. Each product is available as a Custom Grade mixture in the returnable "200" or "ME" cylinder and disposable "ED" cylinder indicated below. The disposable "ED" provides enough mixture to fill over 800 single-plate incubation bags.

MIXTURE COMPOSITION	CYLINDER SIZE	CGA CONNECTION	CONTENTS*		PRESSURE	PART NUMBER
			Cu Ft	Liters		
4.5% (±0.25%) Oxygen, 5% Carbon Dioxide, Balance Nitrogen	200	580	224	6330	2200	Z03 NI902200W220 Z03 NI902MEW221 Z03 NI902EDW222
	ME	580	21	595	2200	
	ED	580	18.3	520	2015	
5% Oxygen, (±0.25%) 10% Carbon Dioxide, Balance Nitrogen	200	580	224	6330	2200	Z03 NI853200W031 Z03 NI852MEW029 Z03 NI852EDW028
	ME	580	21.2	595	2015	
	ED	580	18.6	520	2200	

i Recommended regulator: Model 40, page 55