



LIFE SCIENCE & MEDICAL PRODUCTS

MEDICAL DRUG MIXTURES

MEDICAL DRUG MIXTURES - THERAPY						
CARBON DIOXIDE BALANCE OXYGEN - U.S.P. GRADE						
CERTIFIED GRADE $\pm 2\%$ ANALYTICAL ACCURACY						
MIXTURE	Cylinder Size	Volume (ft ³)	PSIG	CGA	Catalog Number	Regulator Recommended
5% CARBON DIOXIDE BALANCE OXYGEN USP	K	199	2000	280	ME OXCD5-K	Inquire
10% CARBON DIOXIDE BALANCE OXYGEN USP	K	199	2000	500	ME OXCD10-K	Inquire
Notes	Certificate of Analysis available upon request for a nominal fee.					
Certification Period	36 months					
Shipping Information	D.O.T. Proper Shipping Name: Compressed gas, oxidizing, n.o.s., (Oxygen, Carbon Dioxide) I.D. Number: UN3156 Hazard Class: 2.2 (5.1) Shipping Labels: Nonflammable Gas, Oxidizer					

MEDICAL DRUG MIXTURES - THERAPY						
OXYGEN BAL HELIUM MIXTURE - U.S.P. GRADE						
CERTIFIED GRADE $\pm 2\%$ ANALYTICAL ACCURACY						
MIXTURE	Cylinder Size	Volume (ft ³)	PSIG	CGA	Catalog Number	Regulator Recommended
20% OXYGEN BALANCE HELIUM USP GRADE	K	199	2000	280	ME HEOX20-K	Inquire
30% OXYGEN BALANCE HELIUM USP GRADE	K	199	2000	280	ME OXHE30-K	Inquire
Notes	Certificate of Analysis available upon request for a nominal fee.					
Certification Period	36 months					
Shipping Information	Mixtures with O₂ \leq 22.9%			Mixtures with O₂ \geq 23.0%		
D.O.T. Proper Shipping Name:	Compressed gas, n.o.s., (Nitrogen, Carbon Dioxide)			Compressed gas, oxidizing, n.o.s., (Nitrogen, Oxygen)		
I.D. Number:	UN1956			UN3156		
Hazard Class:	2.2			2.2 (5.1)		
Shipping Labels:	Nonflammable Gas			Nonflammable Gas, Oxidizer		



LIFE SCIENCE & MEDICAL PRODUCTS

MEDICAL DEVICE MIXTURES

MEDICAL DEVICE MIXTURES – DIAGNOSTIC CERTIFIED STANDARDS CLINICAL BLOOD GAS MIXTURE – **NOT FOR HUMAN CONSUMPTION** CERTIFIED GRADE ±2% ANALYTICAL ACCURACY ALL PRODUCTS MEETS USP STANDARDS						
MIXTURE	Cylinder Size	Volume (ft ³)	PSIG	CGA	Catalog Number	Regulator Recommended
2-14% CARBON DIOXIDE BAL NITROGEN	K	199	2000	500	ME NICDxxC-K	Inquire
2-12% CARBON DIOXIDE 12-25% OXYGEN BAL NITROGEN	K	199	2000	500	ME NICDxxOXxxCK	Inquire
Notes Certificate of Analysis available upon request for a nominal fee.						
Certification Period		36 months				
Shipping Information		Mixtures containing O2 from 0% to 22.9%		Mixtures containing O2 ≥ 23.0%		
D.O.T. Proper Shipping Name:		Compressed gas, n.o.s., (Nitrogen, Carbon Dioxide)		Compressed gas, oxidizing, n.o.s., (Nitrogen, Oxygen)		
I.D. Number:		UN1956		UN3156		
Hazard Class:		2.2		2.2 (5.1)		
Shipping Labels:		Nonflammable Gas		Nonflammable Gas, Oxidizer		

MEDICAL DEVICE MIXTURES – DIAGNOSTIC CERTIFIED STANDARDS CLINICAL BLOOD GAS MIXTURE – **NOT FOR HUMAN CONSUMPTION** CERTIFIED GRADE ±2% ANALYTICAL ACCURACY ALL PRODUCTS MEETS USP STANDARDS						
MIXTURE	Cylinder Size	Volume (ft ³)	PSIG	CGA	Catalog Number	Regulator Recommended
7-12% CARBON DIOXIDE BAL OXYGEN	K	199	2000	500	ME OXCDxxC-K	Inquire
Notes Certificate of Analysis available upon request for a nominal fee.						
Certification Period		36 months				
Shipping Information		Compressed gas, oxidizing, n.o.s., (Oxygen, Carbon Dioxide)				
D.O.T. Proper Shipping Name:		UN3156				
I.D. Number:		2.2 (5.1)				
Hazard Class:		Nonflammable Gas, Oxidizer				
Shipping Labels:						



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MEDICAL DEVICE MIXTURES

MEDICAL DEVICE MIXTURES – DIAGNOSTIC CERTIFIED STANDARDS CLINICAL BLOOD GAS MIXTURE – **NOT FOR HUMAN CONSUMPTION** CERTIFIED GRADE $\pm 2\%$ ANALYTICAL ACCURACY ALL PRODUCTS MEETS USP STANDARDS						
MIXTURE	Cylinder Size	Volume (ft ³)	PSIG	CGA	Catalog Number	Regulator Recommended
1-19% OXYGEN BAL NITROGEN	K	199	2000	500	ME NIOXxxC-K	Inquire
Notes	Certificate of Analysis available upon request for a nominal fee.					
Certification Period	36 months					
Shipping Information	D.O.T. Proper Shipping Name: Compressed gas, n.o.s., (Nitrogen, Oxygen) I.D. Number: UN1956 Hazard Class: 2.2 Shipping Labels: Nonflammable Gas					

MEDICAL DEVICE MIXTURES – DIAGNOSTIC CERTIFIED STANDARDS LUNG DIFFUSION – **NOT FOR HUMAN CONSUMPTION** CERTIFIED GRADE $\pm 2\%$ ANALYTICAL ACCURACY ALL PRODUCTS MEETS USP STANDARDS						
MIXTURE	Cylinder Size	Volume (ft ³)	PSIG	CGA	Catalog Number	Regulator Recommended
0.3% CO / 10% He / 21% O2 / BAL N2	K	199	2000	500	ME LUNG1-K	Inquire
0.3% CO / 0.5% Ne / 21% O2 / BAL N2	K	199	2000	500	ME LUNG2-K	Inquire
0.3% CO / 0.3% CH4 / 21% O2 / BAL N2	K	199	2000	500	ME LUNG3-K	Inquire
0.3% C2H2 / 0.3% CO / 0.3% CH4 / 21% O2 / BAL N2	K	199	2000	500	ME LUNG4-K	Inquire
Notes	Certificate of Analysis available upon request for a nominal fee.					
Certification Period	36 months					
Shipping Information	D.O.T. Proper Shipping Name: Compressed gas, n.o.s., (Nitrogen, Carbon Monoxide) I.D. Number: UN1956 Hazard Class: 2.2 Shipping Labels: Nonflammable Gas					



LIFE SCIENCE & MEDICAL PRODUCTS BIOLOGICAL INCUBATION PRODUCTS

CELLS & CULTURES INCUBATION						
NOT FOR HUMAN CONSUMPTION						
ALL PRODUCTS MEETS USP STANDARDS						
PRODUCT / DESCRIPTION	Cylinder Size	Volume (lbs)	PSIG	CGA	Catalog Number	Regulator Recommended
CARBON DIOXIDE USP MEDICAL GRADE	K	50	830	320	ME CD-K	Inquire
CARBON DIOXIDE MEDICAL ANAEROBIC 3.0 (MIN. PURITY 99.9%)	K	50	830	320	ME CDANA-K	Inquire
Notes Certificate of Analysis available upon request for a nominal fee.						
Certification Period		60 months				
Shipping Information		D.O.T. Proper Shipping Name: Carbon Dioxide I.D. Number: UN1013 Hazard Class: 2.2 Shipping Labels: Nonflammable Gas				

AEROBIC BIOLOGICAL INCUBATION						
NOT FOR HUMAN CONSUMPTION						
CERTIFIED GRADE $\pm 2\%$ ANALYTICAL ACCURACY						
ALL PRODUCTS MEETS USP STANDARDS						
PRODUCT / DESCRIPTION	Cylinder Size	Volume (ft ³)	PSIG	CGA	Catalog Number	Regulator Recommended
5% CARBON DIOXIDE BAL OXYGEN	K	199	2000	500	ME BIOXCD5-K	Inquire
Notes Certificate of Analysis available upon request for a nominal fee.						
Certification Period		36 months				
Shipping Information		D.O.T. Proper Shipping Name: Compressed gas, oxidizing, n.o.s., (Oxygen, Carbon Dioxide) I.D. Number: UN3156 Hazard Class: 2.2 (5.1) Shipping Labels: Nonflammable Gas, Oxidizer				



LIFE SCIENCE & MEDICAL PRODUCTS BIOLOGICAL INCUBATION PRODUCTS

AEROBIC BIOLOGICAL INCUBATION **NOT FOR HUMAN CONSUMPTION** CERTIFIED GRADE $\pm 2\%$ ANALYTICAL ACCURACY ALL PRODUCTS MEETS USP STANDARDS						
PRODUCT / DESCRIPTION	Cylinder Size	Volume (ft ³)	PSIG	CGA	Catalog Number	Regulator Recommended
5% CARBON DIOXIDE, 5% OXYGEN, BAL N2	K	199	2000	500	ME BIAER55-K	Inquire
5% CARBON DIOXIDE, 10% OXYGEN, BAL N2	K	199	2000	500	ME BIAER510-K	Inquire
2.5% CARBON DIOXIDE, 21% OXYGEN, BAL N2	K	199	2000	500	ME BIAER2.521-K	Inquire
5% CARBON DIOXIDE, 21% OXYGEN, BAL N2	K	199	2000	500	ME BIAER521-K	Inquire
10% CARBON DIOXIDE, 21% OXYGEN, BAL N2	K	199	2000	500	ME BIAER1021-K	Inquire
15% CARBON DIOXIDE, 21% OXYGEN, BAL N2	K	199	2000	500	ME BIAER1521-K	Inquire
Notes	Certificate of Analysis available upon request for a nominal fee.					
Certification Period	36 months					
Shipping Information	D.O.T. Proper Shipping Name: Compressed gas, n.o.s., (Nitrogen, Carbon Dioxide) I.D. Number: UN1956 Hazard Class: 2.2 Shipping Labels: Nonflammable Gas					



LIFE SCIENCE & MEDICAL PRODUCTS BIOLOGICAL INCUBATION PRODUCTS

ANAEROBIC BIOLOGICAL INCUBATION **NOT FOR HUMAN CONSUMPTION** CERTIFIED GRADE $\pm 2\%$ ANALYTICAL ACCURACY ALL PRODUCTS MEETS USP STANDARDS						
PRODUCT / DESCRIPTION	Cylinder Size	Volume (ft ³)	PSIG	CGA	Catalog Number	Regulator Recommended
5% CARBON DIOXIDE BAL N2	K	199	2000	500	ME BIANA5-K	Inquire
5% CARBON DIOXIDE, 5% HYDROGEN BAL N2	K	199	2000	350	ME BIANA55-K	Inquire
5% CARBON DIOXIDE, 10% HYDROGEN BAL N2	K	199	2000	350	ME BIANA510-K	Inquire
10% CARBON DIOXIDE, 10% HYDROGEN BAL N2	K	199	2000	350	ME BIANA1010-K	Inquire
3% HYDROGEN BAL CARBON DIOXIDE	K			350	ME BIANA3-K	Inquire
Notes	Certificate of Analysis available upon request for a nominal fee.					
Certification Period	36 months					
Shipping Information	For Carbon Dioxide, Hydrogen, Bal N2 Mixures:					
Flammability Concentration Range:	Hydrogen < 5.7%			Hydrogen \geq 5.7%		
D.O.T. Proper Shipping Name:	Compressed gas, n.o.s., (Nitrogen, Carbon Dioxide)			Compressed gas, n.o.s., flammable, (Nitrogen, Carbon Dioxide)		
I.D. Number:	UN1956			UN1954		
Hazard Class:	2.2			2.1		
Shipping Labels:	Nonflammable Gas			Flammable Gas		
Shipping Information	For Hydrogen bal Carbon Dioxide Mixtures:					
D.O.T. Proper Shipping Name:	Compressed gas, n.o.s., (Carbon Dioxide, Hydrogen)					
I.D. Number:	UN1956					
Hazard Class:	2.2					
Shipping Labels:	Nonflammable Gas					