

Medical Drug/Device Gas Mixtures

Clinical Blood Gas Mixtures

Blood gas analysis is a complex process that measures pH, pO₂, pCO₂ and other parameters. Puritan Medical Products blood gas mixtures provide zero and span calibration for oxygen and carbon dioxide for the determination of pO₂ and pCO₂ in a blood sample. Results are used to diagnose respiratory problems as well as support many surgical procedures. Blood gas analyses must be fast, accurate and verifiable.

Multi-component blood gas mixtures are available in two highly accurate certified levels. *Precision Plus* is recommended where the highest level of accuracy is required and the instrument is set to a specific calibration value. *Precision* is a more economical standard. It is recommended for instruments that can be adjusted to a certified reported value. Both *Precision Plus* and *Precision* are sold in a variety of cylinder sizes to meet your laboratory space requirements.

Two-Component Mixtures

MIXTURE COMPOSITION	CYLINDER SIZE	CGA CONNECTION	CONTENTS		PRESSURE PSIG @ 70° F	PART NUMBER	
			Cu Ft	Liters		Precision Blend	Precision Blend Plus
3% Carbon Dioxide, Balance Nitrogen	200	500	229	6480	2200	Z02 NI974200Y021	Z02 NI974200Z041
	ME	973	23	665	2015	Z02 NI974MEY025	Z02 NI974MEZ046
	ED	973	19	550	2200	Z02 NI974EDY023	Z02 NI974EDZ044
	MD	973	14	400	2015	Z02 NI974MDY024	Z02 NI974MDZ045
5% Carbon Dioxide, Balance Nitrogen	200	500	229	6480	2200	Z02 NI954200Y019	Z02 NI954200Z037
	ME	973	23	665	2015	Z02 NI954MEY094	Z02 NI954MEZ090
	ED	973	19	550	2200	Z02 NI954EDY093	Z02 NI954EDZ087
	MD	973	14	400	2015	Z02 NI954MDY020	Z02 NI954MDZ089
10% Carbon Dioxide, Balance Nitrogen	200	500	229	6480	2200	Z02 NI904200Y015	Z02 NI904200Z029
	ME	973	23	665	2015	Z02 NI904MEY018	Z02 NI904MEZ034
	ED	973	19	550	2200	Z02 NI904EDY016	Z02 NI904EDZ030
	MD	973	14	400	2015	Z02 NI904MDY017	Z02 NI904MDZ033

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Two-Component Custom Mixtures

MIXTURE COMPOSITION	CYLINDER SIZE	CGA CONNECTION	CONTENTS*		PRESSURE PSIG @ 70° F	PART NUMBER	
			Cu Ft	Liters		Precision Blend	Precision Blend Plus
0.5% - 25% Carbon Dioxide, Balance Nitrogen	200	500	229	6480	2200	CONTACT YOUR LOCAL PURITAN MEDICAL PRODUCT GAS BRANCH FOR PART NUMBERS	
	ME	973	23	665	2015		
	ED	973	19	550	2200		
0.5 - 25% Oxygen, Balance Nitrogen	200	500	229	6480	2200		
	ME	973	23	665	2015		
	ED	973	19	550	2200		

i Recommended regulator: Model 40, page 55

*Contents will vary depending on the composition requested.