



- ✓ **MYOGRAPH**
- ✓ **STUDIES ON TISSUE**
- ✓ **PULMONARY STUDIES**

A SOLID BUSINESS CASE IN COLLABORATION WITH THE "CASE WESTERN RESERVE UNIVERSITY"

GENERAL INFORMATION ABOUT THE PROJECT



TARGET OF THE PROJECT:

Myograph - Lung's physiologic



DEPARTMENT:

Pulmonary



HEAD OF PROJECT MANAGEMENT:

Dr. Folz



ROLE OF MCQ INSTRUMENTS:

To create gas mixtures for measuring the airway and artery in lung's physiologic features,

MORE INFORMATION ABOUT THE COMPANY

Case Western Reserve University (CWRU) is a private research university in Cleveland, Ohio. It was created in 1967 through the federation of two longstanding contiguous institutions: Western Reserve University, founded in 1826 and named for its location in the Connecticut Western Reserve, and Case Institute of Technology, founded in 1880 through the endowment of Leonard Case, Jr. Time magazine described the merger as the creation of "Cleveland's Big-Leaguer" university.

DESCRIPTION OF THE APPLICATION AND THE TARGET

Case Western Reserve University uses the gas mixer to changing O₂ concentration to measure the airway and artery in lung's physiologic features, including the response to different level of O₂ and medicines. Hence, to understand the regulation of contraction and relaxation of the tissue.



GAS MIXER VS GAS CYLINDER

The ability to blend O₂ simulations on-demand is an incredibly powerful tool in the development and provides a level of flexibility that gas cylinders cannot provide.



MICRO FLOW RATES: **NO CUT-OFF**

Our GB100 Series allows the Case Western Reserve University to control the flow in all the calibration range, from 0.1 mL/min to 500 mL/min with NO cut-off.



FLEXIBILITY:

By using the MCQ gas blender it is possible to set up different concentrations of O₂, to adjust to whatever combination they want.



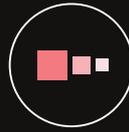
EASY TO USE **SOFTWARE:**

Thanks to our Software PRO Version and its easy-to-use user interface, now the Case Western Reserve University can easy set all the experiment through our software.



HIGH ACCURACY - LOW RATE:

Thanks to our revolutionary method without the Cut-Off, every gas flow has an high accuracy making possible to have a stable flow also for lower flow-range.



SUCCESSFUL ACHIEVEMENT:

The MCQ gas blender is used to adjust the O₂ concentration to understand the regulation of contraction and relaxation of the tissue.

READY TO TALK ABOUT YOUR SOLUTION?

info@mcqinst.com - www.mcqinst.com