

RED-OXY[®]

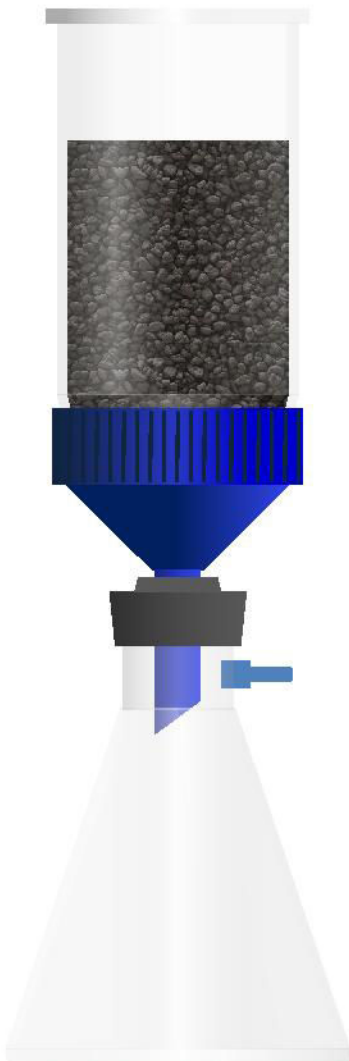


Instruction Manual

Summary and Breakthrough

The invention of this mini **RED-OXY LAB** is to conduct a laboratory-scale investigation of the effectiveness of **RED-OXY** to eliminate ([see list of contaminants](#)) from any water or wastewater and to optimize the process with respect to efficiency, cost and

implementation. **RED-OXY LAB** summarizes the breakthrough experiments which can be carried out in the laboratory in your company or directly at the field. The final results of the contaminated water from any source can be discussed with your customer on the spot.



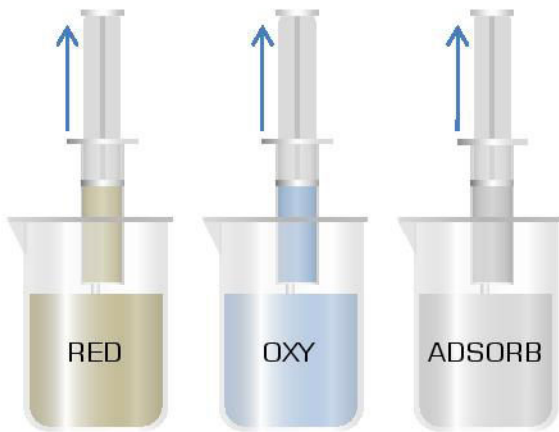
RED-OXY Mobile Lab consists of the followings

Article No	Description	Qty
	RED-OXY LAB Box (40 L)	1
	Filter head glass body	2
	Filter head Gaskets	4
	Filter Head PP Funnel	2
	Filter Disk with Glass rim	2
	Connection Adapter	2
	Filter Flask (1000 ml)	2
	Plastic Mug (1000 ml)	1
	Dilution Bottles (250 ml, with Cap)	3
	Plastic Syringes (50 ml)	6
	KL-Sample Bottle (with Cap)	1
	CC-Sample Bottle (with Cap)	1
	Katalox-Light 1 liter bag	2
	Catalytic Carbon 1 liter Bag	2
	RED ^x Granule (500 g)	1
	OXY ^x Granule (500 g)	1
	ADSORB ^x Granule (500 g)	1



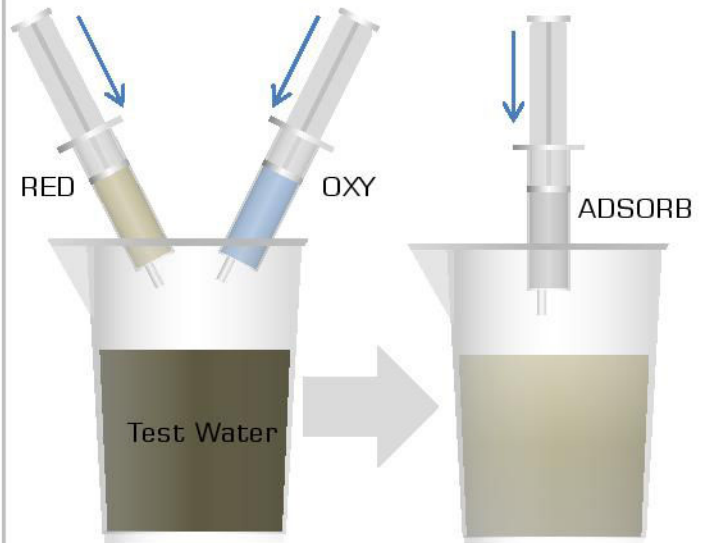


5 Loading the chemicals for injecting



5. Load the prepared solution in the provided syringes. Make sure to use separate syringes for each chemical. The loading amount should be noted to realize the performance.

6 Inject chemicals in the raw water



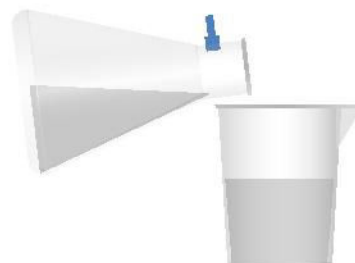
6. Put 1 liter of test water in the plastic mug and inject RED & OXY simultaneously with both hands. Stir the mixture for 1 minute. Add ADSORB to the mixture and stir for 1 minute. Leave the solution in rest for 10 minutes.

7 KL Filtration



7. Slowly pour the water through Katalox-Light Filter Column and observe the appearance.

8 Prepare the KL-Sample Bottle



8.a. Clean up the plastic Mug and pour the water treated by KL column.



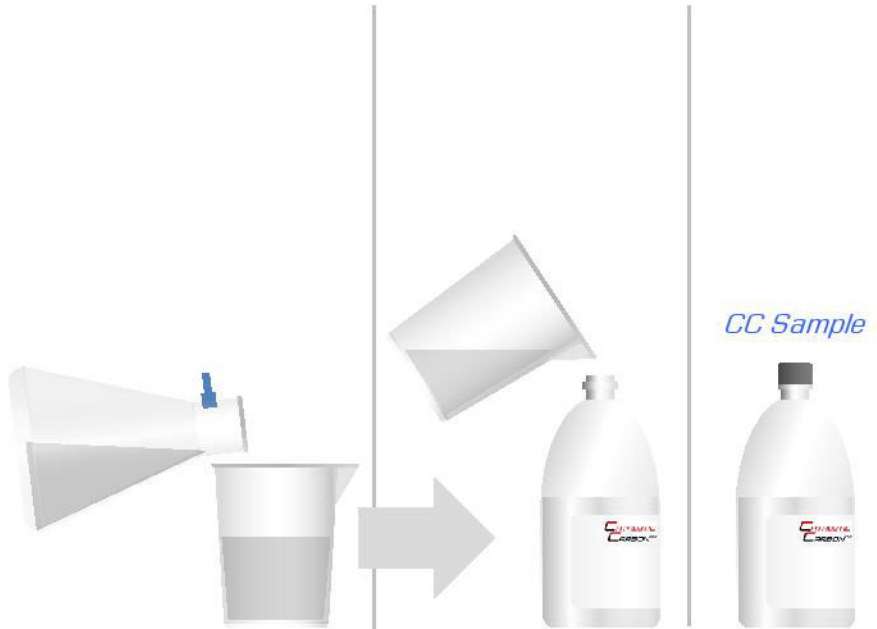
8.b. If the appearance is satisfactory put the water in the Sample bottle and close it with the cap to send for detailed water analysis.

9 CC Filtration



9. Slowly pour the water through Catalytic Carbon Filter Column and observe the appearance.

10 Prepare the CC-Sample Bottle



- 10.a. Clean up the plastic Mug and pour the water treated by Catalytic Carbon column.

- 10.b. If the appearance is satisfactory put the water in the Sample bottle and close it with the cap to send for detailed water analysis.

If the appearance or results are not satisfactory one might need to adjust the chemical concentrations and repeat the test.

Our recommendations:

- The unused (if remains) diluted solution can be stored in the provided bottles.
- All the equipments must be thoroughly washed and clean
- It's best recommended to use a new packet of filter media (Katalox-Light and Catalytic Carbon) for each test.
- Used filter media is not recommended for re-use. It might affect the performance
- All the instructions are important and should be followed accordingly.
- Contact us when you may need spare parts, chemicals or filter media for your mobile lab. Please refer to the article numbers from the front page.