

SCENTROID SK5

N-BUTANOL SENSITIVITY KIT

The Scentroid SK5 Sensitivity Kit is designed to provide accurate N-butanol mixtures of 5 to 50 ppm from a liquid N-butanol source. The N-butanol mixture can then be used to screen panelists using the Scentroid SM100 or any other Scentroid olfactometer in accordance with the EN13725 standard. The mixture is accurate and repeatable thanks to the fixed volume evaporation chamber, micro-liter syringe, and pre-purged Tedlar bag.

REGULATIONS

Every odour regulation requires the screening of the panelists using diluted N-butanol samples. Until now, the only available source of diluted N-butanol sample was to purchase pre-mixed pressurized cylinders. The cylinders were cumbersome to transport, required special permit and storage facility, and would only be accurate in dilution if shaken or rolled just before use.

N-BUTANOL APPLICATIONS

- Certify laboratory panelists
- Find local panelists for a mobile laboratory
- Check sensitivity of field inspectors
- Check sensitivity of affected residents
- Demonstrate odour concentration

HOW IT WORKS

1. Draw the required amount of liquid N-butanol according to the calibration chart.
2. Inject the N-butanol into the evaporation chamber
3. Fill the evaporation chamber with odourless air from the SM100 or any other source to 80 PSI.
4. Close the valve and wait for 15 minutes.
5. Fill the 1L PTFE bag.

N-Butanol (μL)	Concentration (ppm)	Dilution lower limit (20 ppb)	Dilution upper limit (80 ppb)	Plate	Range
1	40	2000	500	2	2 to 7
0.75	30	1500	375	2	2 to 9
0.5	20	1000	250	2	4 to 12
0.25	10	500	125	3	1 to 5
0.1	4	200	50	3	3 to 10



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► THE SK5 N-BUTANOL KIT INCLUDES:

- Micro-syringe
- PTFE sample bag
- Stainless steel evaporation chamber
- 1/4 Fitting
- PTFE tube
- Hard carrying case



► MULTIPLE CONCENTRATIONS

The N-butanol kit can be used to create any concentration from 4 to 40 ppm. Variations in concentration allows the lab to better test their equipment and the panelists.

► COST EFFECTIVE SOLUTION

The N-butanol kit provides an easy to use and cost effective solution to test panelist sensitivity in accordance to all international standards including EN13725.



► ADVANTAGE

The Scentroid SK5 sensitivity kit provides an easy and reliable solution for creating exact N-butanol samples that can be used for panelist screening. Liquid N-butanol is mixed with clean odourless air at a fixed ratio using a glass micro-syringe and a stainless steel evaporation chamber. Easy transportation and storage, longer expiration period, variable concentration.

► TRAVEL

The N-butanol sensitivity kit provides an excellent alternative to pressurized reference gas cylinders, especially for air travel.



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