

SK5



AIR ENVIRONMENT CONSULTING

# 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.



### 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.**

### 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.
4. Close the valve and wait for 15 minutes.
5. Fill the 1L Tedlar 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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