

SK5 N-BUTANOL SENSITIVITY KIT

EN13725 Odor Panelist N-Butanol Screening



The Scentroid SK5 EN13725 Odor Panelist Sensitivity Kit is designed to provide accurate N-butanol mixtures of 4 to 40 ppm from a liquid N-butanol source. The N-butanol mixture can then be used to screen and odour panellist using the Scentroid SM100 or any other Scentroid olfactometer in accordance with standard EN13725.

How to Use

Draw the required amount of liquid N-butanol according to the calibration chart

Inject the N-butanol into the evaporation chamber and fill the evaporation chamber with odourless air from the SM100

Close the valve and wait for 15 minutes. Then fill the 1L Tedlar Bag



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

The Scentroid SK5 Sensitivity kit provides an easy and reliable solution for creating exact N-butanol samples that can be used for panellist 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.

SK5 N-Butanol Sensitivity Kit Volume to Evaporated Concentration Chart

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



Travel Alternative

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



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 training in accordance to all international standards, including EN13725



Automated Purging

All mass flow controllers are automatically purged using Scentroid's automated purging technology



Unprecedented Dilution Range

Dilution range of 8-131,072 (2³ – 2¹⁷) with variable step size to a max. of 1000 steps in-between surpasses any other commercially available mobile olfactometer



Deploys in Minutes

Deployment simply requires connecting the power cord to a standard 120/240 VAC outlet and connecting the air supply hose



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