

Air/Gas Analysis

Gas Detection Badges



86563-02

SafeAir® Gas Monitoring Badges

Immediate visual indication when a specific chemical hazard is present

- Low cost and disposable
- Ideal for daily exposure screening

Badges require minimal training to use and require no calibration, extra equipment, or analysis. Badges attach easily to shirts or labcoat collars—order badge clips separately below.

Exclamation mark warns of the presence of targeted hazard.



Catalog number†	Gas	Threshold level (ppm x hr)	Minimum detectable concentration in 8 hours (ppm)	Maximum recommended sampling time	Minimum recommended sampling time	Cross sensitivity	Price/box of 50
CV-86563-00	Ammonia	4	0.50	48 hours	15 minutes	Primary aliphatic amines	\$161.00
CV-86563-01	Carbon dioxide	8000	1000	10 hours	15 minutes	Acid vapors	161.00
CV-86563-02	Carbon monoxide	7	1	10 hours	15 minutes	Alkenes, H ₂ , H ₂ S	161.00
CV-86563-03	Chlorine	0.18	0.023	48 hours	15 minutes	Br ₂ , HCl, I ₂	161.00
CV-86563-04	Formaldehyde	0.4	0.05	10 hours	15 minutes	Acrolein	161.00
CV-86563-05	Hydrogen sulfide	2	0.25	48 hours	15 minutes	None known	161.00
CV-86563-06	Mercury	Front: 0.1 mg/m ³ x hr Back: 0.2 mg/m ³ x hr	Front: 0.013 mg/m ³ Back: 0.03 mg/m ³	48 hours	15 minutes	Strong oxidizers	198.00
CV-86563-07	Ozone	0.05	0.006	48 hours	15 minutes	H ₂ O ₂ , > 1ppm NO ₂	161.00
CV-86563-08	Sulfur dioxide	0.2	0.025	48 hours	15 minutes	None known	161.00

†All items must ship via 2-day delivery carrier.

CV-86563-60 Badge clips. Pack of 10..... \$8.25/pk

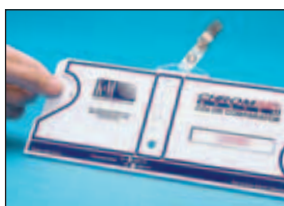
Safety Instrumentation

ChromAir® Gas Monitoring Badges and Color Comparators

Six color-change levels to better isolate exposure readings



86563-23



After badge is inserted into the color comparator, move the color scale insert until color scale matches color formed on badge.

Exposed badges give immediate results—no waiting for lab reports!

Gas Monitoring Badges are lightweight colorimetric—ideal for both personal and area monitoring. Designed to accurately provide immediate results while minimizing the effects of humidity and air velocity. Each ChromAir badge shows six exposure levels[†]. The scale printed on the badges and comparators is based on exposure dose (ppm x hr)^{††}. Badges attach easily to shirt or lab coat collars—order badge clips separately below.

Color Comparators increase the range and resolution of your ChromAir badge. The color scales on the comparator identically match the colors formed on the badges.

Technical info

To determine the average concentration, locate the highest cell with a color change and divide the corresponding dose level (ppm x hr) by the sampling time in hours. Example: If the sampling time is 2 hours and the badge reads 40 ppm x hr, the average concentration is determined by 40 ppm x hr/2 hr. Therefore, the average concentration is 20 ppm.

Gas	Gas monitoring badges					Color comparators			
	Catalog number†	Range (ppm x hr)	Minimum detectable concentration in 8 hours (ppm)	RH (%)	Cross sensitivity	Price/box of 10	Catalog number†	Range (ppm x hr)	Price/ea
Acetone	CV-86563-20	20 to 24,000	2.50	15 to 95	NH ₃ , MEK, MIBK, MPK	\$134.00	—	—	—
Ammonia	CV-86563-21	4 to 300	0.50	15 to 90	RNH ₂	134.00	CV-86563-57	3 to 600	\$58.50
Carbon monoxide	CV-86563-22	10 to 525	1.25	19 to 85	Alkenes, H ₂ , H ₂ S	134.00	CV-86563-50	4 to 630	58.50
Chlorine	CV-86563-23	0.4 to 13	0.05	35 to 85	Br ₂ , I ₂ , HCl	134.00	CV-86563-51	0.2 to 20.0	58.50
Formaldehyde	CV-86563-24	0.3 to 12	0.04	30 to 80	Acrolein	134.00	CV-86563-52	0.3 to 23.0	58.50
Glutaraldehyde ^{††}	CV-86563-25	STEL: (15 min)	0.04 to 0.95	25 to 85	None known	139.00	—	—	—
Hydrogen sulfide	CV-86563-26	1 to 240	0.13	33 to 90	None known	134.00	CV-86563-54	0.4 to 350.0	58.50
Mercury ^{†††}	CV-86563-27	0.15 to 1.4 mg/m ³ x hr	0.02 mg/m ³	15 to 87	Strong oxidizers	139.00	CV-86563-55	0.12 to 3.6	58.50
Methanol	CV-86563-28	27 to 3200	3.38	25 to 90	ROH, DMS	134.00	—	—	—
Methyl ethyl ketone	CV-86563-29	18 to 21,600	2.25	15 to 95	NH ₃ , acetone, MIBK, MPK	134.00	—	—	—

†All items must ship via 2-day delivery carrier. ††Glutaraldehyde and mercury badges have five levels. †††Glutaraldehyde STEL badge = ppm; mercury badge scale = mg/m³ x hr

CV-86563-60 Badge clips. Pack of 10..... \$8.25/pk