

Method

Formaldehyde, a toxic substance, is used in the following applications: metal plating baths, textile treatments, biological specimen preservatives, and disinfectants of medical equipment. Commercial formaldehyde gas is readily soluble in water.

The Purpald Method

Reference: Purpald® developed by Aldrich Chemical Co.

Purpald is subject to fewer interferences than Schiff's reagent or chromotropic acid procedures. A purple-colored complex is formed when Purpald in alkaline solution reacts with formaldehyde. Results are expressed as ppm (mg/L) CH₂O.

Shelf life of the Purpald Reagent: 5 months. We recommend stocking quantities that will be used within 4 months.



Visual Kits

Range: 0-1 & 1-10 ppm
MDL: 0.1 ppm / Method: Purpald

	Cat#
CHEMets Kit	K-4605
CHEMets Refill, 30 ampoules, Shelf life 5 months	R-4605
Activator Solution Pack, six 20 mL bottles	A-4201 ^{1,2}
Activator Solution Pack, six 10 mL bottles	A-4202 ¹
Low Range Comparator 0, 0.1, 0.2, 0.3, 0.4, 0.6, 0.8, 1.0 ppm	C-4601
High Range Comparator 1, 2, 3, 4, 5, 6, 7, 8, 10 ppm	C-4610

Kit comes in a plastic case and contains everything needed to perform 30 tests (except distilled water): Refill, Low and High Range Comparators, Activator Solutions, 25 mL sample cup and instructions.

Range: 0-30 & 30-300 ppm
MDL: 5 ppm / Method: Purpald

	Cat#
VACUettes Kit	K-4605D
VACUettes Refill, 30 ampoules, Shelf life 5 months	R-4605D
Activator Solution Pack, six 20 mL bottles	A-4201 ^{1,2}
Activator Solution Pack, six 10 mL bottles	A-4202 ¹
Low Range Comparator 0, 5, 7.5, 10, 15, 20, 25, 30 ppm	C-4601D
High Range Comparator 30, 60, 90, 120, 150, 180, 210, 240, 300 ppm	C-4610D

Kit comes in a plastic case and contains everything needed to perform 30 tests (except distilled water): Refill, Low and High Range Comparators, Activator Solutions, dilutor snapper cup, sample cup top, micro test tube and instructions.

Range: 0-60 & 60-600 ppm
MDL: 10 ppm / Method: Purpald

	Cat#
VACUettes Kit	K-4605A
VACUettes Refill, 30 ampoules, Shelf life 5 months	R-4605A
Activator Solution Pack, six 20 mL bottles	A-4201 ^{1,2}
Activator Solution Pack, six 10 mL bottles	A-4202 ¹
Low Range Comparator 0, 10, 15, 20, 30, 40, 50, 60 ppm	C-4601A
High Range Comparator 60, 120, 180, 240, 300, 360, 420, 480, 600 ppm	C-4610A

Kit comes in a plastic case and contains everything needed to perform 30 tests (except distilled water): Refill, Low and High Range Comparators, Activator Solutions, dilutor snapper cup, sample cup top, micro test tube and instructions.

Range: 0-120 & 120-1200 ppm
MDL: 20 ppm / Method: Purpald

	Cat#
VACUettes Kit	K-4605B
VACUettes Refill, 30 ampoules, Shelf life 5 months	R-4605B
Activator Solution Pack, six 20 mL bottles	A-4201 ^{1,2}
Activator Solution Pack, six 10 mL bottles	A-4202 ¹
Low Range Comparator 0, 20, 30, 40, 60, 80, 100, 120 ppm	C-4601B
High Range Comparator 120, 240, 360, 480, 600, 720, 840, 960, 1200 ppm	C-4610B

Kit comes in a plastic case and contains everything needed to perform 30 tests (except distilled water): Refill, Low and High Range Comparators, Activator Solutions, dilutor snapper cup, sample cup top, micro test tube and instructions.

¹ The accessory pack supplies enough solution to perform at least 200 tests.

² The Activator Solution, A-4201, is supplied as a dry chemical with NO expiration date. Once reconstituted, it has a limited shelf life.



Visual Kits

Range: 0-1200 & 1200-12,000 ppm
 MDL: 200 ppm / Method: Purpald

	Cat#
VACUettes Kit	K-4605C
VACUettes Refill, 30 ampoules, Shelf life 5 months	R-4605C
Activator Solution Pack, six 20 mL bottles	A-4201 ^{1,2}
Activator Solution Pack, six 10 mL bottles	A-4202 ¹
Low Range Comparator 0, 200, 300, 400, 600, 800, 1000, 1200 ppm	C-4601C
High Range Comparator 1200, 2400, 3600, 4800, 6000, 7200, 8400, 9600, 12,000 ppm	C-4610C

Kit comes in a plastic case and contains everything needed to perform 30 tests (except distilled water): Refill, Low and High Range Comparators, Activator Solutions, dilutor snapper cup, sample cup top, micro test tube and instructions.

Components and Accessories

Description	Cat#
Sample Cup Pack, 25 mL (6 ea)	A-0013
Sample Cup Top Pack for 25 mL Cup (6 ea)	A-0014
Micro Test Tube Pack (10 ea)	A-0015
Dilutor Snapper Cup Pack (6 ea)	A-0018

¹ The accessory pack supplies enough solution to perform at least 200 tests.

² The Activator Solution, A-4201, is supplied as a dry chemical with NO expiration date. Once reconstituted, it has a limited shelf life.

Instructions and SDSs are posted on our website.

If no shelf life is listed for a product, then the shelf life is at least 1 year.

