New Nitrate Test Kit Product Announcement

Upcoming Changes to Nitrate and Nitrite Test Kits

Table 2 provides the same cross reference information for Nitrite catalog codes. *Note:TheNEDNitritetestkitswere introduced to the CHEMetrics product line in Oct. 2022.*

Please direct any product replacement questions to our Technical Support team at tech@aquaphoenixsci.com.

Table 2. Nitrite Test Kit Cross Reference Table

Discontinued Kits				New Replacement Kits					
Discontinued Kit	Refill	Measurement Range (ppm as NO_2-N)	Visual MDL or PDL	New Kit	Refill	Measurement Range (ppm as NO_2-N)	Vsual MDL or PDL	Visual	Instrumental
K-7004	R-7002	0-2.5	0.2	K-7006	R-7006	0-0.01 & 0-1.0	0.01	V	
K-7020B	R-7002	0-250	20	K-7030B	R-7006 & A-0171	0-250	25	V	
K-7020C	R-7002	0-2000	160	K-7030C	R-7006 & A-0171	0-2500	250	V	
K-7003	-	0-1.00	0.08	K-7013	-	0-0.750	0.02		I

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Table 1 is a cross reference table that provides the list of Nitrate catalog codes that will be discontinued side by side with the replacement product. Both old and new measurement ranges are also listed.

Table 1. Nitrate Test Kit Cross Reference Table

Discontinued Kits				New Replacement Kits					
Kit Code	Refill	Measurement Range (ppm as NO_3-N)	Visual MDL or PDL	Kit Code(s)	Refill	Measurement Range (ppm as NO_3-N)	Visual MDL or PDL	Visual	Instrumental
K-6905 (Zn Reduction)	R-7002	0-3.4	0.3	K-6901	R-6901	0-1.4	0.01	V	
K-6904 (Cd Reduction)	R-7002	0-4.5	0.4	K-6901	R-6901	0-1.4	0.01	V	
K-6909D (Cd Reduction)	R-7002	0-45	4.0	K-6901D	R-6901	0-55	5.0	V	
K-6909A (Cd Reduction)	R-7002	0-225	20	K-6901A	R-6901 & A-0171	0-210	15	V	
K-6913 (Zn Reduction)	-	0-1.5	0.4	K-6973	-	0-1.5	0.1		I
K-6903 (Cd Reduction)	-	0-1.5	0.4	K-6973	-	0-1.5	0.1		I
K-6923 (Cd Reduction)	-	0-7.5	2.0	K-6983	-	0-15	66 as NO_3		I
K-6933 (Cd Reduction)	-	0-50	12.5 as NO_3	K-6983	-	0-15	66 as NO_3		I

Introducing a New Way to Measure Nitrate

Launching Fall2025,our newNitrate Test Kits use the N-(1-Naphthyl) ethylenediamine (NED) method to measure nitrate in potable, surface, storm, ground, sea, and wastewater. These kits offer improved sensitivity and faster analysis time (10 min. vs. 13 min.) compared to our current chromotropic acid-based kits.

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The NED method is widely used in the quantitative analysis of nitrite and nitrate in water samples. Like our legacy chromotropic acid reagent, NED readily undergoes a diazonium coupling reaction in the presence of nitrite to give a strongly colored pink azo compound. The intensity of the color is directly proportional to the concentration of nitrite in the sample. Due to the significant intensity of the developed color even at very low nitrite/nitrate concentrations, we are now able to offer lower detection limits and measurement ranges than our chromotropic acid kits provide.

Key Updates

Nitrate Measurement via Zn Reduction Only: Zinc is less toxic than cadmium, making handling and disposal safer.

Simplified Reordering: Visual test kit refills now include NED, Zn, Acidifier, and Buffer solutions under a single catalog code.

Discontinuation Notice: Due to rising raw material costs and supply chain challenges, we will phase out our Nitrite and Nitrate (Cadmium and Zinc Reduction) kits using chromotropic acid.

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