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CHEMetrics Water Quality Solutions for Pharmaceutical and Biotechnology

The pharmaceutical and biotechnology industries demand exceptionally high standards for water quality due to the critical role water plays in manufacturing, research, and product formulation. Water is used as a solvent, a cleaning agent, and a raw material in drug production, making its purity essential to ensure product safety, efficacy, and regulatory compliance.

CHEMetrics water quality test kits are well-suited to meet these industry needs by offering fast, reliable, and easy-to-use testing solutions for a wide range of water parameters.

CHEMetrics kits utilize the patented self-filling reagent ampoules system. Measure either instrumentally or by visual color comparison.

Because test preparation is virtually eliminated, CHEMetrics kits reduce potential operator error. This saves testing time. The vacuum-sealed products further help the analyst avoid inaccurate results from unstable or expired reagents.

For pharmaceutical and biotech operations, CHEMetrics kits can be used to monitor critical parameters such as detergents, silica, hydrogen peroxide, chlorine, chlorine dioxide, ozone and phenols—ensuring that water used in production and cleaning processes meets required standards. Their portability and ease of use also make them ideal for on-site testing, helping facilities maintain compliance and respond quickly to potential water quality issues.

Water Quality Parameter Offered:

- Detergents
- Chlorine
- Phenols
- Silica
- Hydrogen Peroxide
- COD
- And More!

PREMIXED
PRECISE
PREMEASURED



Test Kits for Pharmaceutical and Biotech Industries

Product	CHEMetrics Method	Range	Avantor Catalog Number	Number of Tests	Instrumental Test	Visual/ Titrimetric Test
Detergents	Methylene Blue	0-3 ppm	CXK-9400	20		•
		0-2.50 ppm	77674-698	20	•	
Phenols	4-Aminoantipyrine	0-1 & 0-12 ppm	CXK-8012	30		•
		0-300 ppm	77674-856	30		•
		0-8.00 ppm	CXK-8003	30	•	
		0-20.0 ppm	77674-858	30	•	
Silica	Heteropoly Blue	0-0.20 ppm	77674-866	30		•
		0-1 & 1-10 ppm	11027-212	30		•
		0-10.00 ppm V-2000 or V-3000 0-4.00 ppm Spec.	CXK-9003	30	•	
Chlorine	DDPD	0-0.20 ppm	77674-752	30		•
	DPD	0-1 & 0-5 ppm	CXK-2504	30		•
		0-125 ppm	77674-754	30		•
		0-500 ppm	77674-756	30		•
		0-2000 ppm	77674-758	30		•
		0-25 ppm	77674-760	30		•
		0-5.00 ppm	CXK-2513	30	•	
		0-1.55% as NaOCl	76176-698	30		•
0-12.5% as NaOCl	77674-798	30		•		
Hydrogen Peroxide	Ferric Thiocyanate	0-0.8 & 1-10 ppm	CXK5510	30		•
		5-50 ppm	77674-794	30		•
		25-250 ppm	77674-788	30		•
		125-1250 ppm	77674-790	30		•
		1000-10,000 ppm	77674-792	30		•
	DPD	0-6.00 ppm	77674-796	30	•	
		0-6.00 ppm	77674-696	30	•	
		0-0.5 ppm	77674-786	30		•
Ceric Sulfate Titrant w/Ferrou Indicator	0.1-1.0% (up to 20% w/dilution)	CXK-5530	30		•	
Chemical Oxygen Demand (COD)	Dichromate Reactor Digestion	0 to 150 ppm, USEPA accepted*	CXK-7350S	24	•	
		0 to 150 ppm, Mercury-free	CXK-7351S	24	•	
		0 to 150 ppm, USEPA accepted*	CXK7355	149	•	
		0 to 150 ppm, Mercury-free	CXK7356	149	•	
		0 to 1500 ppm, USEPA accepted*	CXK-7360S	24	•	
		0 to 1500 ppm, Mercury-free	CXK-7361S	24	•	
		0 to 1500 ppm, USEPA accepted*	CXK7365	149	•	
		0 to 1500 ppm, Mercury-free	CXK7366	149	•	
		0 to 15,000 ppm*	CXK-7370S	24	•	
0 to 15,000 ppm, Mercury-free	CXK-7371S	24	•			

* Contains mercury. Dispose according to local, state or federal laws.