

Kementec – Colors of Success



PROVIDING SUSTAINABLE IMMUNOASSAY SOLUTIONS

kementec

Kementec – a sustainable way of doing business

Understanding where we make the most impact Kementec has a long-standing history of commitment to sustainability, and with inspiration from United Nations Sustainable Development Goals we are working actively towards a more sustainable production of chemical and biological reagents. For Kementec, these goals strongly inspired us to step further up on sustainability, providing better healthcare for more people while reducing our environmental footprint.

Governments and corporations worldwide have agreed on the UN Sustainable Development Goals and the life sciences industry has taken a leadership position in the sustainability movement. The industry recognizes its importance and is striving to improve. Over the past decade, immunoassay manufacturers have been working towards more environmentally consciousness and sustainable manufacturing. A great part of this effort has been focused on reducing usage of facility water and energy, reducing facility waste, and increasing recycling.

At Kementec we offer a product line called ECO-TEK, which provides our customers with a unique opportunity to meet their sustainability goals and to achieve their regulatory require-

ments. By reducing the toxic effect in the manufacturing of immunoassays the environmental footprint is minimized, and a safer work environment is generated.

It is an integrated part of Kementec's way of thinking, that in every new Research & Development project, we are committed to find the most sustainable solution. It is our vision that all new Kementec products will become ECO-TEK, and being the preferred choice for the immunoassay manufacture that values green solutions, without compromising on quality, sensitivity and accuracy.

We continuously set new goals to develop responsible consumption and production. Today, we run solely on power generated by renewable energy sources and we contribute to less waste and pollution by recycling packing materials.

Through the long-lasting relationships with our customers in the healthcare industry, we make our best effort to introduce and convert the use of conventional reagents into more sustainable alternatives, to the benefit of us all.



360° partner – throughout your product lifecycle

We supply our immunoassay components to manufacturers all over the world and Kementec takes the responsibility of being a trusted partner, very serious. This is why, the relationships to many of our customers, goes all the way back to the very beginning of Kementec – more than 30 years ago.

We understand the importance of being able to supply on time, the same high-quality products in every shipment and being the partner that can assist with needed solutions in every situation. This enables you to focus on what you do best – developing and manufacturing high quality immunoassays.

Kementec can be your partner from the very early development of a new immunoassay all the way to commercialization and post-sales activities.

Your partner all the way – 360°

R&D

- Substrates, Buffers, Stabilizers, Conjugates and Labels
- Expert immunoassay knowledge
- Innovative product development

Commercialization

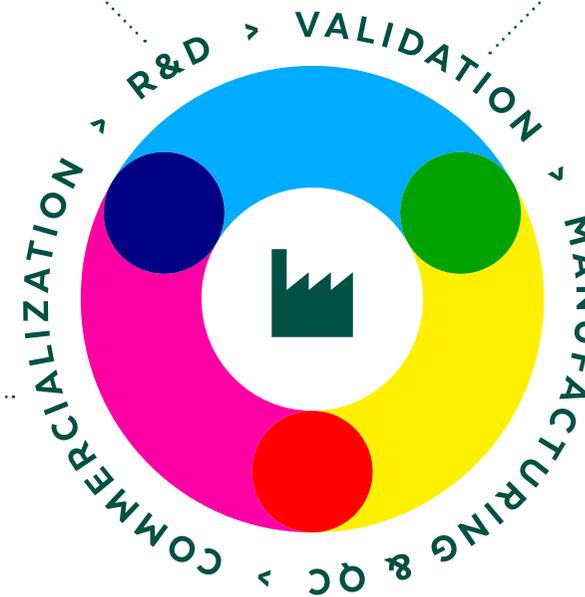
- Proactive supply chain management
- Customer specific end-point contacts
- Flexible partnership

Validation

- Comply with regulatory requirements
- Multiple lots
- Stability data
- ISO9001-based QMS system

Manufacturing & Quality Control

- QMS based
- Customized solutions
- Lot sizes up to 1450L



Eco-friendly immunoassay solutions



ECO-TEK® products are environmentally-friendly and sustainable solutions, enabling development and production of cost efficient immunoassays without compromising on quality, sensitivity and accuracy. Additionally, transportation of immunoassay may be done worldwide with less import restrictions and paperwork.

These products offer the highest level of sustainability for manufacturing immunoassays with the following characteristics:

- **Free of BSA - Easing cross border paperwork & improving assay reproducibility**
- **Free of NMP or other harmful organic solvents - Reducing regulatory concerns**
- **Free of toxic preservatives and hazardous stop solutions - Improving work environments**

Our immunoassay solutions are eco-friendly, creating a healthy work environment and preserving natural resources, while helping our customers fulfill significant regulatory requirements.

We call it ECO-TEK®



Product overview 1/3

		ENZYME		APPLICATION			SPECIFICATION	
SUBSTRATES	Cat. No.	HRP	AP	ELISA	Blot	IHC	For colorimetric determination of activity	Shelf life (years)
BCIP/NBT*	4410		Purple		X		AP in membrane tests	4
pNPP	4400		Yellow	X			AP in ELISA - high sensitivity	2
pNPP ONE	4401		Yellow	X			AP in ELISA - low background	3
TMB ONE (& prestained)	4380 4430	Blue		X			HRP in ELISA - The Gold Standard	4
TMB PLUS2® (& prestained)	4395 4445	Blue		X			HRP in ELISA - high temperature robustness	4
TMB X-tra (& prestained)	4800 4810	Blue		X			HRP in ELISA - high sensitivity	4
TMB EASE	5320	Blue		X			HRP in ELISA - comparable to OPD	4
TMB X-tnd®	5280	Blue		X			HRP in ELISA - best dynamic range	4
TMB Blotting	4450	Blue			X		HRP in membrane tests	4
TMB-D Blotting	4600	Blue			X		HRP in membrane tests (low background)	4

*Not ECO-TEK

Product overview 2/3

BUFFERS & STABILIZERS	Cat. No.	ENZYME		APPLICATION			For dilution, blocking or stabilizing	Shelf life (years)
		HRP	AP	ELISA	Blot	IHC		
Antibody Enhancer	4660	X	X	X	X	X	For dilution, stabilization and amplification of HRP & AP-conjugated proteins	4
AP-StabilPLUS	4540		X	X	X	X	For dilution and stabilization of AP-conjugated proteins	3
HRP-StabilPLUS	4530	X		X	X	X	For dilution and stabilization of HRP-conjugated proteins	4
UNI-StabilPLUS	5230	X	X	X	X	X	For dilution and stabilization of HRP- & AP-conjugated proteins	3
Sample X-tra	5350	X	X	X	X		For dilution of sample matrices	2
Effect Diluent, Animal-free								
Low	7070	X	X	X	X		Sample dilution buffers for minimizing HAMA interferences	3
Medium	7080							3
High	7090							3
Synthetic Blocking Buffer, ELISA	4520	X	X	X			For blocking of ELISA plates	4
Synthetic Blocking Buffer, Blot	4650	X	X		X		For blocking of membranes in blotting assays	2
WellChampion®	4900	X	X	X			For blocking, stabilization and amplification of coated ELISA plates	4
Protein-StabilPLUS	4720	X	X	X	X		For stabilization of proteins generally (e.g. standards & controls)	3

Product overview 3/3

		ENZYME		APPLICATION			SPECIFICATION	
LABELS & CONJUGATES	Cat. No.	HRP	AP	ELISA	Blot	IHC	Activity and concentration	Shelf life (years)
Horseradish Peroxidase	4120	X		X	X	X	Activity ≥ 250 U/mg; Rz ≥ 3.0 , Lyophilized	4
Streptavidin	4610	X	X	X	X	X	Activity >13 U/mg (one unit binds $1\mu\text{g}$ biotin); Purity: SDS - 1 band, Lyophilized	3
Enhanced Strept-HRP	4740	X		X	X		1 mg HRP/mL	4

Profile

Kementec is a well-established, innovative, and service oriented company with 30 years of experience as a manufacturer and supplier of components to the industry and to researchers worldwide.

Being a market leader in developing solutions for immunoassays, our continuous goal is to deliver sustainable products without compromising on quality, sensitivity and accuracy.

Kementec values long lasting business relationships and the success of our customers. We consider ourselves more as a trusted partner than as a general supplier. A part of this vision is providing high quality colorimetric substrates and color-coded reagents, described as:

Colors of Success!

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