ViraCHEK™

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DANGER / DANGER/ PELIGRO / PERIGO

Chromogen: Danger. Causes serious eye irritation. May damage the unborn child. May cause cancer. Harmful to aquatic life with long-lasting effects. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves / protective clothing / eye protection / face protection. Wash thoroughly after handling. Avoid release to the environment. If exposed or concerned: get medical advice / attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice / attention. Store locked up. Dispose of contents / container in accordance with local / regional / national / international regulations.

Chromogène : Danger. Provoque une sévère irritation des yeux. Peut nuire au fœtus. Peut provoquer le cancer. Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme. Se procurer les instructions avant utilisation. Ne pas manipuler avant d'avoir lu et compris toutes les précautions de sécurité. Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage. Se laver soigneusement après manipulation. Éviter le rejet dans l'environnement. En cas d'exposition prouvée ou suspectée : consulter un médecin. EN CAS DE CONTACT AVEC LES YEUX : rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. Si l'irritation oculaire persiste : consulter un médecin. Garder sous clef. Éliminer le contenu / récipient conformément à la réglementation locale / régionale / nationale / internationale en vigueur.

Cromógeno: Peligro. Provoca irritación ocular grave. Puede dañar al feto. Puede provocar cáncer. Nocivo para los organismos acuáticos, con efectos nocivos duraderos. Pedir instrucciones especiales antes del uso. No manipular la sustancia antes de haber leído y comprendido todas las instrucciones de seguridad. Llevar guantes / prendas / gafas / máscara de protección. Lavarse tras la manipulación. Evitar su liberación al medio ambiente. En caso de exposición manifiesta o presunta: consultar a un médico. EN CASO DE CONTACTO CON LOS OJOS: aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. Si persiste la irritación ocular: consultar a un médico. Guardar bajo llave. Eliminar el contenido / el recipiente de conformidad con las normativas locales / regionales / nacionales / internacionales.

Cromogênio: Perigo. Provoca irritação ocular grave. Pode afetar o nascituro. Pùò provocare il cancro. Nocivo para os organismos aquáticos com efeitos duradouros. Pedir instruções específicas antes da utilização. Não manusear o produto antes de ler e perceber todas as precauções de segurança. Usar luvas de proteção / vestuário de proteção / proteção ocular / proteção facial. Lavar completamente após o manuseio. Evitar a liberação para o ambiente. Em caso de exposição ou suspeita de exposição: consultar um médico. SE ENTRAR EM CONTATO COM OS OLHOS: enxaguar cuidadosamente com água durante vários minutos. Se usar lentes de contato, retire-as, se isso for possível. Continuar a enxaguar. Se l'irritazione degli occhi persiste, consultare un medico. Armazenar em local fechado a chave. Eliminar o conteúdo / recipiente de acordo com os regulamentos locais / regionais / nacionais / internacionais.

EQUINE INFECTIOUS ANEMIA VIRUS ANTIBODY TEST KIT, ELISA

ViraCHEK™ | EIA — ENGLISH

For the detection of Equine Infectious Anemia Virus (EIA) antibodies in equine serum.

GENERAL INFORMATION AND INTENDED USES

ViraCHEK™ EIA uses a highly purified recombinant antigen to quickly identify antibodies to EIA in infected equines without causing the non-specific reactions commonly found in cultured antigen ELISA tests. ViraCHEK™ EIA has been optimized to use serum specimens. The correlation between ViraCHEK™ EIA and LAB-EZ™ EIA is greater than 99%.

The plastic wells are coated with EIA recombinant antigen. The same EIA recombinant antigen is labeled with horseradish peroxidase (HRP). The specimen (serum) is incubated simultaneously with the coated wells and enzyme-labeled antigen. Antibodies to EIA, if present in the equine sample, are bound to the well and enzyme-linked antigen at the same time. The free enzyme-linked antigen is washed away and a chromogenic substrate is added. The development of a distinctly dark blue color indicates the presence of antibody to EIA. In the absence of EIA antibody, little or no color change will be observed.

ViraCHEK™ EIA is highly specific, sensitive and simple to perform. Test results can be obtained in 20 minutes or less. The diagnostic kit contains a POSITIVE CONTROL and a NEGATIVE CONTROL that MUST be included each time the assay is performed. Visual comparison of the color of the sample to the POSITIVE CONTROL will allow accurate detection of the presence of EIA antibody in the sample. If desired, test results may be determined by use of a microwell plate reader.

KIT COMPOSITION AND CONSERVATION

Contains materials sufficient to test 5 – 24 samples.

ITEM	REAGENT NATURE	VOLUME	RECONSTITUTION AND CONSERVATION
M	EIA Antigen Coated Wells	2 sets of 4x12 wells	Ready to use
CONTROL +	Positive Control; preserved with Phenol and Gentamicin sulfate	1.6 mL	Ready to use. Red Cap.
CONTROL -	Negative Control; preserved with Phenol and Gentamicin sulfate	1.6 mL	Ready to use. Gray Cap.
A	Conjugate; preserved with Phenol and Gentamicin sulfate	5.0 mL	Ready to use. Blue Cap.
D	Chromogen	7.5 mL	Ready to use. Green Cap.
E	Substrate Buffer; preserved with Sodium Benzoate	7.5 mL	Ready to use. White Cap.
F	10X Wash Concentrate; preserved with Gentamicin sulfate.	100 mL	Dilute to 1X in deionized or distilled water. Orange Cap. Diluted Wash Solution may be stored at 2 - 7 °C.
	Well holder		Ready to use.

Store all reagents provided in the kit at 2 – 7 °C. Reagents should not be frozen.

REAGENTS REQUIRED TO PERFORM 24 TESTS

a) 2 sets of 4 x 12 EIA Antigen Coated Wells
b) 1.6 mL Positive Control
c) 1.6 mL Negative Control
d) 5.0 mL Conjugate
e) 7.5 mL Chromogen
f) 7.5 mL Substrate Buffer
g) 100 mL 10X Wash
h) Well holder

EQUIPMENT AND MATERIALS REQUIRED BUT NOT PROVIDED

a) 50 uL pipette
b) Disposable pipette tips
c) Deionized/distilled water
d) 2 Wash Bottles
e) Timer
f) Microplate reader (optional)

WARNINGS TO THE USERS OF REAGENTS AND ANTIGEN COATED MICROPLATES

- Handle all reagents and samples as biohazardous material. It is recommended to dispose reagents and contaminated material according to the applicable regulations.
- Wear suitable protective clothing.
- Irritating to skin and eyes. Keep all reagents away from skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Take care not to contaminate any test reagents with samples or bacterial agents.
- The best results are achieved by following the protocols described below, using good, safe laboratory techniques.
- Do not use this kit or any of its contents after the expiration date.
- Do not intermix components from different serial numbers.
- Use a separate pipette tip for each sample.
- Follow instructions exactly. Improper washing or contamination of reagents may produce nonspecific color development.
- Do not expose kit to direct sunlight.
- NEVER PIPETTE BY MOUTH. Harmful if swallowed.

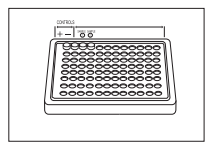
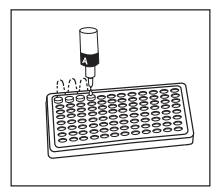
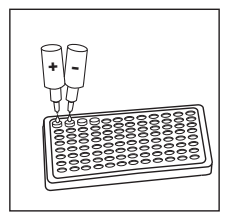
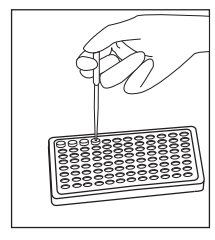
SAMPLE COLLECTION AND STORAGE

- Follow proper sample collection procedures.
- Harvest serum samples and store properly (up to seven days at 4 °C; -20 °C for longer).
- Test only good quality samples (i.e. avoid bacterial contamination, heavy hemolysis or lipemia). When in doubt, obtain a better quality sample.

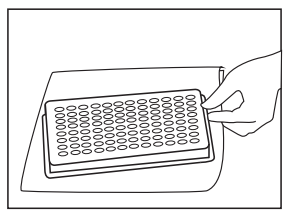
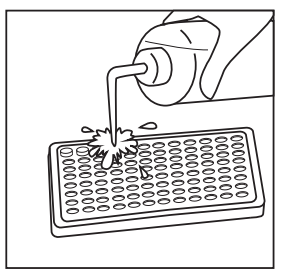
Allow all reagents to come to 21 – 24 °C before starting.PREPARATION OF WASH SOLUTION

Allow 10X wash concentrate to come to ambient temperature. Mix gently by inversion. Dilute wash concentrate 10-fold with distilled or deionized water (1 part concentrate to 9 parts deionized or distilled water) in a wash bottle. Diluted wash solution may be stored at 2 - 7 °C.

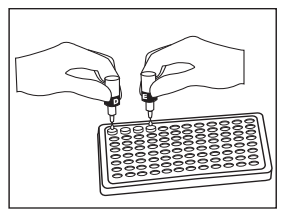
TEST PROCECURE

STEP	NOTES	
SET UP AND SAMPLE INCUBATION		
1)	Remove and place in holder one well for Positive Control, one well for Negative Control, and one well for each sample. Leave the wells attached to each other.	
	NOTE: • *When testing a high number of samples in an assay, Zoetis strongly recommends including one Negative Control well and one Positive Control well for every 22 samples tested within a run.* • *If a microplate reader will be used to read the results, leave the appropriate space empty so that the microplate reader will blank on air.*	
CONJUGATE		
2)	Add **1 drop** of Conjugate **(Bottle A - Blue Cap)** into each well.	
SAMPLE ADDITION		
3)	Add **1 drop** of Positive Control **(Red Cap)** into the first well.	
4)	Add **1 drop** of Negative Control **(Gray Cap)** into the second well.	
5)	Pipette 50 µL (0.05 mL) of sample into **the next well** following the controls. Repeat for each additional sample into subsequent wells. **One well is used for each sample.** Gently tap the well holder (without splashing) for 15 seconds to mix.	
6)	**Incubate for 10 minutes.**	

BLOT AND WASH

7)	Discard the fluid from wells into appropriate container. Invert holder and blot firmly onto a paper towel to remove final drops.	
8)	**FLUSH WELLS VIGOROUSLY:** • Wash by vigorously filling the wells to overflowing with diluted wash solution. • Direct a forceful stream into each well. (Oversplashing will not contaminate adjacent wells). • Shake out excess water. **Repeat wash cycle** five **(5) times.**	
9)	Wash wells **2 more times** with distilled or deionized water to remove bubbles.	
10)	**Blot against a paper towel to dry wells.**	

DEVELOP

7)	Add **1 drop** of Chromogen **(Bottle D - Green Cap)** into each well.	
8)	Add **1 drop of Substrate Buffer (Bottle E – White Cap)** into each well. Tap well holder (without splashing) for **15 seconds** to mix.	
9)	Incubate for **10 minutes**.	
10)	**Read results at exactly 10 minutes.**	

INTERPRETATION OF RESULTS

Controls:

- **POSITIVE** control should be distinctly blue.
- **NEGATIVE** control should be completely clear.

Samples:

- **POSITIVE** samples will be blue. Color intensity (optical density) will be equal to or greater than that of the POSITIVE CONTROL.
- **NEGATIVE** samples will produce a color intensity (optical density) lower than that of the POSITIVE CONTROL. Compare directly with the positive control against a white background.

NOTES

- Only serum may be used as a sample.
- **Washing is the most important step.** Wells cannot be overwashed. Underwashing will result in nonspecific blue color development in the negative control and sample wells.
- Read results at 10 minutes. If no color is seen at 10 minutes, the sample is negative.
- Always compare results to the Positive Control. Wells can be detached and compared alongside the Positive Control well against a white background for easier visual inspection.

SYMBOL DESCRIPTIONS

	Use by Date (expiration date)	EC REP	Authorized Representative in the European Community
LOT	Batch Code		Consult Instructions for Use
SN	Serial Number	IVD	*In Vitro* diagnostic medical device
	Temperature limitations (storage temperature range)		Manufacturer

zoetis

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VLN/PCN 190/5515.00

EC REP

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