



Instructions for Use

PMSG (Horse) Rapid Screen Test

VET

REF RAP-4807

RAP-4808



24 tests

6 tests



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***Please use only the valid version of the Instructions for Use provided with the kit.
Verwenden Sie nur die jeweils gültige, im Testkit enthaltene, Gebrauchsanweisung.
Si prega di usare la versione valida delle istruzioni per l'uso a disposizione con il kit.
Por favor, se usa solo la version valida de la metodico técnico incluido aqui en el kit.***

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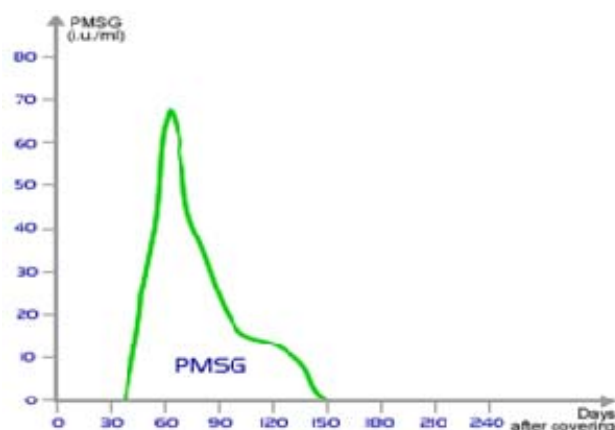
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For the detection of PMSG in serum or plasma samples of mare between 40 - 120 days after fertilization to confirm pregnancy

1 INTRODUCTION

PMSG (Pregnant Mare Serum Gonadotrophin) is a glycoprotein hormone secreted by a part of the foetal placenta called endometrial cups. It stimulates and forms additional corpora lutea.

In pregnant mares, PMSG is usually first detectable in blood between 35 and 40 days of gestation, rise rapidly to peak about 60 days, then decline slowly to become undetectable at about 140 days of gestation. After 140 days the PMSG level decreases rapidly when the placenta starts producing the necessary amount of progesterone to maintain pregnancy.



The PMSG (Horse) Rapid Screen Test (One-step test) as a means of pregnancy testing is a suitable and easy to use method to confirm earlier ultrasound scanning techniques and allows the practitioner to obtain this information quickly.

This test detects levels of ± 10 IU.

The test uses an inhibition principle.

A weak signal means PMSG level is between 35 -65 IU.

No signal means a PMSG level higher than 65 IU.

2 INTENDED USE

This One-Step Test is intended to use as practical/routine screening test that can be done in a few minutes. This test kit is designed to detect PMSG by use of a blocking rapid immunochromatic assay.

3 PRINCIPLE

The PMSG One- Step Test is based on the blocking principle for the detection of PMSG. Anti-PMSG is conjugated to colloidal gold particles and the PMSG is immobilized on the strip in the test zone "T". PMSG in a sample that is applied to the strip at the sample zone "S" will bind to the gold particles which then migrate to zone "T". **No colour change** in zone "T" indicates a positive test.

Labelled colloidal gold particles are also immobilized on the test strip in the control zone "C", to indicate that the test is working properly.

4 CONTENTS

6 or 24 pouches, each containing 1 test strip and 1 pipette

6 or 24 vials containing buffer

1 Instructions for Use

5 HANDLING AND STORAGE OF REAGENTS/SPECIMENS

The test should be stored at room temperature ($\pm 21^{\circ}\text{C}$).

An unopened package can be used until the expiry date.

An opened package must be used immediately.

If the conditions are no longer fulfilled the test can no longer be used. Avoid freezing and heating as this will contribute to destruction of the test.

Samples may be used fresh or may be kept frozen below -20°C before use.

6 SAMPLE MATERIAL

It is advised to test fresh serum or plasma samples.

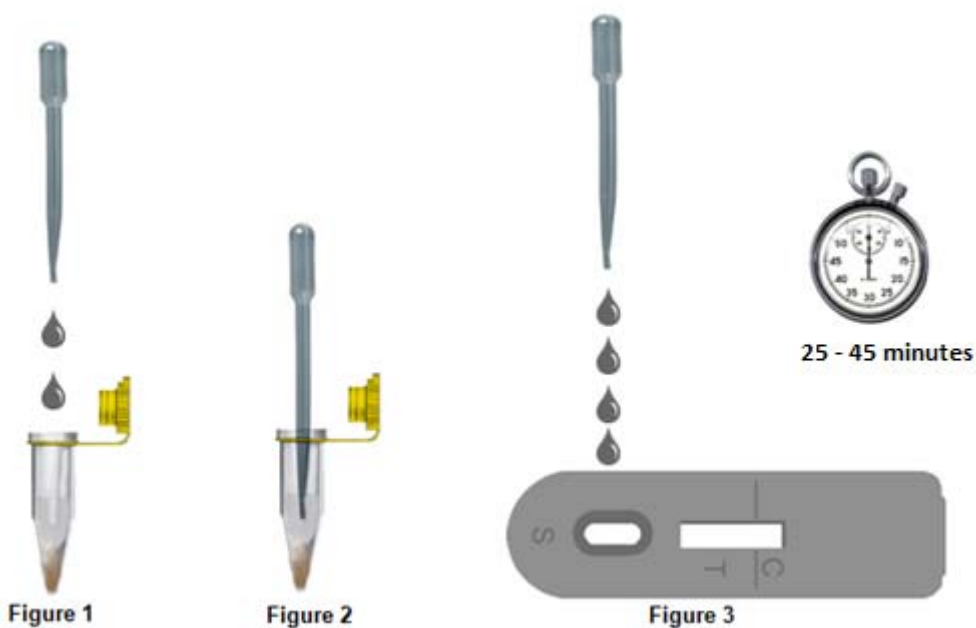
Do not use haemolytic or lipaemic serum.

7 PRECAUTIONS

- Handle all biological materials as though capable of transmitting infectious diseases.
- Do not pipette by mouth.
- Do not eat, drink, smoke, prepare foods or apply cosmetics within the designated work area.
- Do not use components which passed the expiry date and do not mix components from different serial lots together.
- Optimal results will be obtained by strict adherence to this protocol. Careful pipetting and sampling throughout this procedure are necessary to maintain precision and accuracy.
- Each test strip is ultimately used as an optical reference. Therefore, do not touch the surface of the test strip and protect it from damage and dirt.

8 TEST PROTOCOL

1. Unpack the test strip and pipette.
Only open the amount of pouches to be used. An opened package should be used immediately.
2. Add **2 drops** of serum/ plasma to the buffer vial by using the pipette (Figure 1).
3. Mix well by using the pipette (Figure 2).
4. Add **4 drops** of the buffer vial containing the sample, with the included pipette **slowly** to the sample zone “S” (Figure 3).
5. Read the result after 25 - 45 minutes (for the interpretation of the test result see chapter 10 and chapter 11).



9 VALIDATION OF THE TEST

To validate this Rapid Screen test a control line should always be visible at control zone "C".

If no control line is visible the test should be considered invalid.

Results should be read in the given time. Results read after the given time should be considered invalid.

Invalid tests should be repeated with a new test.

10 INTERPRETATION OF TEST RESULTS

POSITIVE:

Only one line is visible in zone "C" (Figure A). The sample contains PMSG.

Positive results may vary in optical density due to variations in antibody concentrations in the sample.

WEAK POSITIVE:

Two lines are visible, a weak line in zone "T" and a line in zone "C" (Figure B). The sample contains low concentrations PMSG.

The intensity of line "T" will vary depending on the concentration of PMSG in the sample.

NEGATIVE:

Two lines are visible in zone "T" and zone "C" (Figure C). The sample does not contain PMSG.

NOT VALID:

No band is visible in zone "C" (Figure D). Repeat the test procedure.

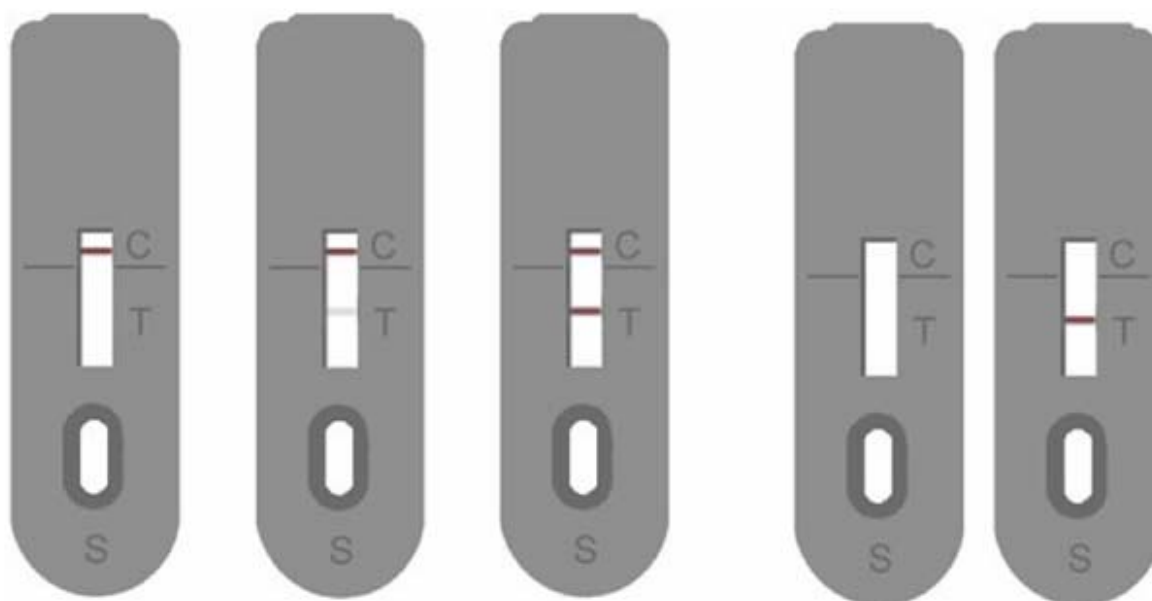


Figure A:
Positive

Figure B:
Weak positive







Figure C:
Negative

Figure D:
Not Valid

The entire risk as to the performance of these products is assumed by the purchaser. DRG shall not be liable for indirect, special or consequential damages of any kind resulting from use of the products.

In case of problems or questions contact DRG.

SYMBOLS USED

Symbol	English	Deutsch	Italiano	Español	Français
	Consult instructions for use *	Gebrauchsanweisung beachten *	Consultare le istruzioni per l'uso	Consulte las instrucciones de uso	Consulter les instructions d'utilisation
REF	Catalogue number *	Artikelnummer *	Numero di Catalogo	Número de catálogo	Référence de catalogue
LOT	Batch code *	Chargencode *	Codice del lotto	Código de lote	Numéro de lot
	Contains sufficient for <n> tests *	Ausreichend für <n> Prüfungen *	Contenuto sufficiente per "n" saggi	Contenido suficiente para <n> ensayos	Contenu suffisant pour "n" tests
	Temperature limit *	Temperaturbegrenzung *	Temperatura di conservazione	Temperatura de conservacion	Température de conservation
	Use-by date *	Verwendbar bis *	Utilizzare prima del	Estable hasta	Utiliser jusque
	Manufacturer *	Hersteller *	Fabbricante	Fabricante	Fabricant
	Caution *	Achtung *			
RUO	For research use only	Nur für Forschungszwecke	Solo a scopo di ricerca	Sólo para uso en investigación	Seulement dans le cadre de recherches
VET	For veterinary use only				
<i>Distributed by</i>	Distributed by	Vertreiber	Distributore	Distribuidor	Distributeur
<i>Content</i>	Content	Inhalt	Contenuto	Contenido	Contenu
<i>Volume/No.</i>	Volume / No.	Volumen/Anzahl	Volume/Quantità	Volumen/Número	Volume/Quantité