

## INSTRUCTIONS FOR USE

## RapidVet<sup>®</sup>-H Companion Animal Crossmatch Test Kit MAJOR (Donor Blood/Recipient Serum)

NOTE: Crossmatching is performed in addition to, and does not replace, blood typing

**Samples Required: (Test can be used for either canine or feline patients.)**

**COLLECT** Donor Sample: 0.5ml EDTA anticoagulated whole blood or whole blood segment sample from previously collected packed RBC's.

**COLLECT** Recipient Sample: 1.0 ml serum obtained by centrifuging 2.0 ml whole blood in a serum tube.

### Test Setup

- A. **REMOVE** one test stand containing 6 tubes, blue top tube, pipette bag and report card from kit.
- B. **WRITE** Donor name/ID on all seven (7) tubes provided.
- C. **WRITE** Recipient name/ID on Yellow Top Reaction (**R**) Tube and Clear Top Reaction (**R**) Gel Tube (yellow-bordered label).
- D. **INSERT** Blue Top Donor Blood Prep Tube upright into well provided in test stand.

### Test Procedure [Follow bracketed numbers on diagram]

- [1] **ADD** 0.5 ml (10 drops) Donor Sample to Blue Top Donor Blood Prep Tube using clean pipette from kit; cap Blue Top Tube tightly and invert several times to mix thoroughly. Place upright in test stand.
- [2] **TRANSFER** 200 µl (4 drops) Recipient Serum to Yellow Top Reaction (**R**) Tube using a clean pipette.

#### From Blue Top Donor Blood Prep Tube:

- [3] **TRANSFER** 100 µl (2 drops) to Yellow Top Reaction (**R**) Tube using a clean pipette; cap Yellow Top Tube tightly and invert several times to mix thoroughly.
- [4] **TRANSFER** 100 µl (2 drops) to Green Top Negative (**-**) Control Tube using a clean pipette; cap Green Top Tube tightly and invert several times to mix thoroughly.
- [5] **TRANSFER** 100 µl (2 drops) to Red Top Positive (**+**) Control Tube using a clean pipette; cap Red Top Tube tightly and invert several times to mix thoroughly.
- [6] **INCUBATE:** Let all tubes stand for five (5) minutes at room temperature (20-27°C / 68-81°F). Then
- [7] **TRANSFER** 50 µl (1 drop) from Yellow Top Reaction (**R**) Tube to Clear Top Reaction (**R**) Gel Tube (yellow-bordered label) using a clean pipette. Cap tightly.
- [8] **TRANSFER** 50 µl (1 drop) from Green Top Negative (**-**) Control Tube to Clear Top Negative (**-**) Control Gel Tube (green-bordered label) using a clean pipette. Cap tightly.
- [9] **TRANSFER** 50 µl (1 drop) from Red Top Positive (**+**) Control Tube to Clear Top Positive (**+**) Control Gel Tube (red-bordered label) using a clean pipette. Cap tightly.

[10] **PLACE** Gel Tubes in centrifuge and spin according to the chart that follows.

Centrifuge**	Speed	Time
Iris Processing Stat Spin™ MP	9800 rpm (Urine setting)	45 seconds
Clay Adams TRIAC™	3800 rpm (Serum setting)	7 minutes
Clay Adams Analytical (0179)	3200 rpm	5 minutes
Adams™ Compact II	3200 rpm	7 minutes
Clay Adams READACRIT™	4000 rpm	5 minutes

**\*\* If you do not have one of the centrifuges listed above, call **dms** laboratories  
Toll-free in US and Canada: (800) 567- 4367; or (908) 782-3353**

### Interpreting and Reporting Results

Interpret Clear Top Positive (+) Control and Negative (-) Control Gel Tubes using the Crossmatch Photo Identifier provided.

**NEGATIVE CONTROL:** Clear Top Negative (-) Control Gel Tube (green-bordered label) should demonstrate a collection of red blood cells at the **bottom** of the gel column.

**POSITIVE CONTROL:** Clear Top Positive (+) Control Gel Tube (red-bordered label) should demonstrate an agglutination of red blood cells at the top of the gel column or a dispersion of red cells mid matrix and above.

**IMPORTANT: If Positive (+) and Negative (-) controls do not react as stated above, DO NOT proceed with the interpretation of test.**

**CROSSMATCH INTERPRETATION:** Interpret reaction in Clear Top Reaction (R) Gel Tube (yellow-bordered label) using the Crossmatch Photo Identifier provided. Record results using report card provided in kit.

A **POSITIVE CROSSMATCH** indicates the Recipient is at risk for demonstrating a transfusion reaction. **DO NOT TRANSFUSE USING THIS DONOR**

A **NEGATIVE CROSSMATCH** indicates the Recipient is likely NOT at risk for demonstrating a transfusion reaction from the Donor.

Test results might be affected by the age of the cells used. Stored blood might exhibit a weaker reaction than that shown in the Photo Identifier.

**NOTE: CROSSMATCHING IS DONE IN ADDITION TO, AND DOES NOT REPLACE, BLOOD TYPING.**

**Transfusions involving incompatible BLOOD TYPES will result in the activation of alloantibodies which may cause life-threatening reactions, or the production of antibodies which may cause serious complications in subsequent transfusions. In addition, the lifespan of incompatible RBCs will be shortened, increasing the need for further transfusions.**

**Shelf-life: 15 months. Store at room temperature until expiration date: DO NOT FREEZE.**

**Dispose of all biological materials, pipettes and tubes in a biohazard container.**

**If Oxyglobin® is in recipient blood, this test is not recommended.**

**In the event of severe hemolysis, this test is not recommended.**

**For assistance, please call **dms** laboratories, inc.**

2 Darts Mill Road, Flemington, New Jersey 08822 USA

Toll-free in US and Canada: (800) 567- 4DMS (4367);

or (908) 782-3353

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