

## Guinea Pig Complement

For *in-vitro* veterinary diagnosis

CPLT 5ML ver0520 EN

### Introduction

The complement, that regroups 20 serum proteins, binds to the immune-complexes via the antibody Fc portion.

This characteristic is used in the complement fixation test (CFT) to detect antibodies against infectious animal diseases.

The complement fixation test requires complementary reagents that are not included in the kit. (Calcium Magnesium veronal buffer, haemolysin, sheep red blood cell, and specific antigen for CFT).

The complement is heat sensitive and is inactivated at 56°C.

### Kit content

Description	Storage
Complement: pool of guinea pig sera lyophilized (5 ml)	Before reconstitution : +2 - +8°C upon expiry date (see label)
Reconstitution buffer 17 (6ml)	+2 - +8°C upon expiry date (see label)

### Reconstitution

- Add 5 ml of Reconstitution buffer 17 in a complement vial, do not agitate.
- Wait 2-3 minutes and shake.

**Note** ► once reconstituted, do not leave the Complement at room temperature for a long time.  
 ► the Complement is unstable, do not reconstitute with water.

If the complement is to be used for cell culture:

- Reconstitute with distilled water.
- Filter at 0.22 µm.

### Storage after reconstitution

Once reconstituted, the Complement can be stored:

- for **2 weeks** at +2 - +8°C  
(carefully close the vial with its cap for storage).
- **until the expiry date** at < - 16°C  
(make small volume aliquots ; avoid more than 3 freezing/thawing cycles, as they may cause titre loss).

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