

REF :

0514_K20

IMMUNOQUICK®

TETANUS

IMMUNOQUICK® TETANUS is an immunochromatographic rapid test for qualitative detection of anti tetanus toxin antibodies in serum or whole blood.



▶ RELIABLE

- Calibrated against an international standard (NIBSC catalog 76/589).

▶ EFFICIENT

- Detection limit : **0,1 IU/ml** which corresponds to the recommended protective level of WHO.

▶ PRACTICAL

- Sample : serum, plasma, venous or capillary whole blood.
- Rapid : results in **10 minutes**.
- Long shelf life : **18 months**.

▶ PACKAGING

- Ref 0514_K20 : kit of **20 tests** containing :
 - 20 aluminium pouches, each includes one device and one dessicant bag,
 - 1 vial of dilution buffer,
 - 20 capillary pipettes,
 - 20 patient cards.



► PROCEDURE



1 → Clean the finger. Puncture the finger with a single use lancet. Rub down the finger in order to collect a big drop of blood.



2 → Collect the drop of blood using the capillary pipette.



3 → Deposit exactly 1 drop of blood using the capillary pipette, in the sample wells.



4 → Add 3 drops of dilution buffer into the sample well.

► PRINCIPLE

● *Clostridium tetani* is a bacterium that causes tetanus in humans. Toxin of *Clostridium tetani* binds to membrans of peripheric nervous cells and inhibits release of neurotransmitters. Antibodies to tetanus toxin are produced in human by injection of chemically inactivated tetanus toxin (tetanus toxoid). Immunization is the best way to prevent *C. tetani* infections in children and adults. Moreover, injection of specific and purified anti tetanus toxin IgG is used in order to refrain toxin action during an acute infection. Antibodies to the toxin can bind to and inactivate the toxin before it attacks muscles and nerves. In emergency situations, it is important for the physician to know the immune status in order to decide the correct antitetanus prophylaxis for high risk patients (deep wounds).

► INTERPRETATION



● **POSITIVE RESULT** : Presence of one grey test band and one purple control band. The level of anti tetanus toxoid antibodies is above 0,1 IU/ml.



● **NEGATIVE RESULT** : Presence of a single purple control band. The level of anti tetanus toxoid antibodies is below 0,1 IU/ml.



● **INVALID RESULT** : No purple control band and no grey test band.

