



TQS

Tétanos Quick Stick

Get your patient's tetanus immunization status within 10 minutes* !

Make the right decision!

*Fast result**

Easy handling

*Reliable answer**

Automated reading

Traceability of the result

* See the package insert.





Principle of the test

TQS is a rapid immunological test, based on the principle of immuno- chromatography.

This method uses a combination of tetanus toxoid coated on the solid phase and a mixture of colloidal gold conjugates including tetanus toxoid-dye conjugate.

The blood, serum or plasma is deposited into the TQS sample well. A diluent is then added to the same well. The diluent flows through the absorbent pad, carrying the toxoid-dye conjugate along the chromatographic strip, forming a complex with the anti-tetanus immunoglobins present in the sample. This complex reacts with the immobilized toxoid in the “T” zone to form a coloured band.

The excess gold conjugate binds to a control reagent immobilized in the “C” zone, forming a pink band and confirming that the test has been carried out correctly.

When and why should I use Tetanos Quick Stick(TQS)?

- *For every patient presenting with a tetanus prone*
- *To estimate the vaccination status of your patients*
- *To make the correct informed decision*

Traceability of the result

2 labels for traceability per test are supplied in each kit.

PURPOSE

- Identification of both the batch and the patient.
- Traceability of the result.



Performances... a reliable answer

- **Calibration of the test**

- According to WHO standard, TQS has been evaluated with different concentrations of anti-tetanus antibodies (0,025 to 100 IU/ml)*.
- Minimal concentration detected: **0,1 UI/ml on whole blood, plasma and serum.**

- **Interference****

- No interference observed with high rates of bilirubin, haemoglobin, albumin and cholesterol or the presence of rheumatoid factor.

- **Validation: comparison to Elisa test**

- Evaluation on 865 samples : **289 samples of whole blood, 287 samples of plasma and 289 samples of serum.**

	Whole blood	Plasma	Serum
Sensitivity (VPP)	97,0% n=169 (100%)	97,2% n=216 (100%)	98,6% n=213 (100%)
Specificity (VPN)	100% n=75 (93,8%)	100% n=43 (87,8%)	100% n=44 (93,6%)

For more information, please read the package insert.

Storage and stability

TQS tests: between +4 °C and +30 °C (39°F and 86°F).

Product range	
Tétanos Quick Stick <i>TE40B²</i>	Kit of 40 tests (40 tests, safety lancets, pipettes, 2 diluent vials, 80 identification labels)
Tétanos Quick Stick <i>TE20B²</i>	Kit of 20 tests (20 tests, pipettes, 2 diluent vials, 40 identification labels)
Unitary TQS NEW <i>TE-50U (50 x TE-1U)³</i>	1 kit of 50 single tests (1 test, 1 pipette, 1 diluent vial, 1 lancet, 1 alcohol pad, 1 simplified protocol, 2 identification labels)

* Borrow R. et al., WHO, The immunological basis for immunization series. Module 3 Tetanus updated. 2006.

** For more information, please read the package insert.



TQS

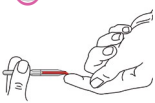
Tétanos Quick Stick

SIMPLIFIED PROTOCOL

1

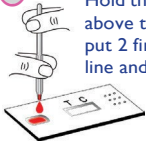


2



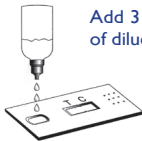
Put the pipette horizontally into the drop of blood. Don't squeeze the pipette during the pipeting, the blood will go through capillarity until it reaches the black line

3



Hold the pipette vertically above the sample wells, put 2 fingers on the black line and press to release the total volume of blood

4



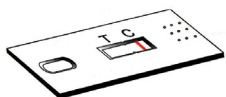
Add 3 drops of diluent

5

Read the result at 10 minutes

Negative test

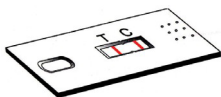
One coloured band appears in the control window (C)



Patient **NOT** or not enough protected

Positive test

Two coloured bands appear in the test (T) and control window (C)



Protected patient

OPTION : automated reading with ZReader



⁽¹⁾ Zentech (Belgium), ⁽²⁾ GAMMA (Belgium), ⁽³⁾ Eurobio ingen (France)

These devices of in *vitro* diagnosis are regulated products of health which carry the marking CE. For professional use.

Read the instructions for use on the package insert.