

SURGICUTT® Vet. H

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In vivo diagnosticum

Standardised screening-test for the detection of primary hemostasis disorders in the dog

INSTRUCTIONS FOR USE



6912 Hörbranz – AUSTRIA

Manufacturer:



San Diego – CA 92121 – USA

1. INFORMATION ON THE TEST-KIT

TEST-KIT COMPONENTS

- 1 Test-kit **SURGICUTT® Vet. H** contains:
- 10 disposable incision lancets (5.0 x 1.0 mm)
 - 10 filter papers
 - 1 instructions for use

STABILITY AND STORAGE

Store at
15–25°C

Expiry date
– see label

APPLICATION



For veterinary use only



Lot number



In vivo diagnosticum



Do not use test-kit components from different kits, lot numbers or beyond stated expiry date.



Follow instructions for use precisely

LI- ABILITY

The entire risk due to the performance of this product is assumed by the purchaser. The manufacturer shall not be liable for indirect, special or consequential damages of any kind resulting from the use of this product.



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2. INTRODUCTION

Hemostasis is a complex physiological reaction on bleedings of all kind. Hemostasis disorders can base on primary and secondary defects or causes.

The buccal mucosal bleeding time (BMBT) is the time that passes by after placement of a defined incision by means of **SURGICUTT® Vet. H** until hemostasis occurs. The determination of the BMBT is an important coagulation marker for validation of the individual primary state of hemostasis.

With help of BMBT, suspicion of disorders of the primary hemostasis can be confirmed quickly and simply. Characteristics normally are surface bleedings, caused by infectious and/or immunological reasoned thrombocytopenias, thrombocytopathies, vasculopathies and the genetically inherited von Willebrand disease (vWD) type 1–3.

With help of **SURGICUTT® Vet. H**, by a standardised depth and length of the cut, the veterinarian is enabled on-site to obtain constant and reproducible BMBT results and to give a specific statement about the status of hemostasis in the dog.

3. PATIENT PREPARATION

- Optimally, bring the patient into lateral position.
- Uncover the mucosal side turning up carefully the upper chaps. Fix the turned down upper chaps carefully with a gauze bandage around the upper jaw (just enough to prevent the venous return partially).

4. TEST PREPARATION

- Remove the **SURGICUTT® Vet. H** from its sterile foil pouch immediately before use. Please take care that the sterile blade slot surface will not be contaminated by touching (fig.1).
- Remove the safety clip (fig.2). This can be replaced in its position in case of test start delay for a short period of time.

5. TEST PROCEDURE

- Search a healthy and secure incision place. Be aware of damaging bigger blood vessels (e.g. Arteria labialis).
- Place the **SURGICUTT® Vet. H** with the entire contact surface lightly on the mucosa surface. Push the trigger (fig.3). Immediately remove the **SURGICUTT® Vet. H** and start the stop watch simultaneously with start of bleeding (fig.4).
- Let the incision site **bleed freely and undisturbed** (fig.5). Take care that no blood flows into the mouth or that the patient licks the site with its tongue.
- Absorb the draining blood every 10 seconds with the filter paper without touching the bleeding site (fig.6).
- Measure the time until the bleeding stands.

6. READING OF THE TEST RESULT

Stop the stop-watch as soon as the bleeding stands and read the BMBT (fig.7).

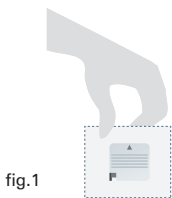


fig.1



fig.2



fig.3



fig.4



fig.5



fig.6



fig.7

7. PRECAUTIONS FOR USERS

- For single use only!
- The **SURGICUTT® Vet. H** must be seen as potentially infectious after use and disposed of accordingly, together with the used test-kit components.

8. TEST PRINCIPLE

The determination of the BMBT is a useful screening test in the veterinary clinic for the identification of thrombotic and vascular bleeding disorders. The incision using the **SURGICUTT® Vet. H** only leads to a superficial capillary bleeding.

With the **SURGICUTT® Vet. H**, with the help of an easy to handle, automatic triggered surgical blade (incision lancet), a defined cut depth of 1.0 mm and a cut width of 5.0 mm is set quickly (1/1000 s) and painless. After planar placing on the mucosa and manual release (steel spring), a precise cut in the mucosa of the patient is set. Due to automatic retraction of the steel blade after setting the incision, there is no possibility of injuries neither for the patient nor for the veterinarian.

The duration of the bleeding depends on the formation rate and stability of the thrombus and therefore is mainly based on the number and function of available platelets. The plasmatic coagulation system is not activated, the coagulation factors are not needed stopping this kind of bleeding.

Standardised incision depth and length enables the veterinarian to produce constant and repeatable measurements under practice conditions.

9. INFORMATION FOR THE INTERPRETATION

Physiological values:

< 4 minutes (reference range: 0.75–2.25 min)

Prolonged values:

- Von Willebrand disease
- Thrombocytopathy
 - inherited
 - acquired (e.g. aspirin)
- Thrombocytopenia (< 100,000/μl)
 - immune mediated
 - infection mediated (e.g. ehrlichiosis)
 - bone marrow diseases
- Vascular disease
- Uraemia