

## Product Catalogue

For Smell and Taste Test  
to test the sense of smell and taste  
with

# *Sniffin` Sticks* & *Taste Strips*



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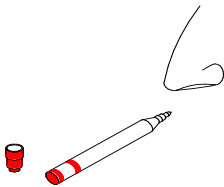
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## Smell and taste tests with Sniffin' Sticks and Taste Strips

### Easy-to-use, reliable olfactory and gustatory tests for odor and taste diagnosis Each scientifically founded and standardized

The Sniffin' Sticks Olfactory Test-Kits contain pen-like bodies as, for example, in pens used to write on flipcharts or whiteboards. These pen-like bodies, however, contain a fibre stick which is filled with scents. For testing, simply remove the cap, and the patient can smell on the tip of the pen.

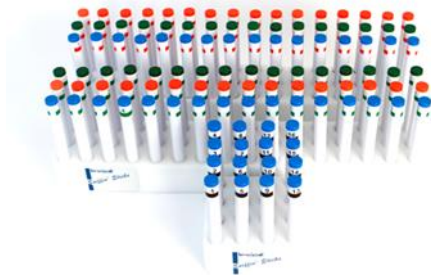


#### Screening12 Test

for the ENT specialist in private practice, neurologist or general practitioner



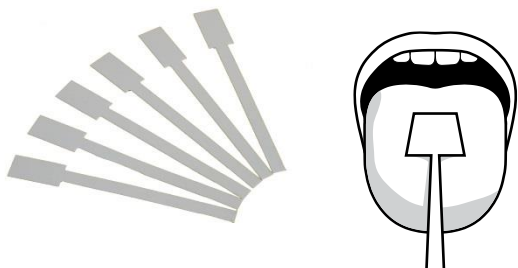
With the "**Screening12 Test**" the question whether the patient possesses a normal or decreased olfactory sense can be roughly answered. The set contains optionally four spraying bottles by means of which the four basic gustatory qualities may be also tested, as required. The evaluation is very easily achieved by means of a template matching the evaluation sheet.



#### Extended Test

For the clinic (ENT, neurology, psychiatry, internal medicine, etc)

With the "**Extended Test**" a detailed examination of the olfactory sense may be performed, e.g. for the preparation of expert's opinions. The test contains three modules: Odor threshold test, odor discrimination test and odor identification test.



#### Taste Strips

For the clinic (ENT, neurology, psychiatry, internal medicine, etc) and for the ENT specialist in private practice, neurologist or general practitioner

The **taste strips** are a validated examination procedure to investigate the taste ability. When testing the whole-mouth taste ability, the taste strips are applied by putting them on the tongue and closing the mouth.

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### **Screening 12 Test**

With the "Screening 12 Test" the question whether the patient possesses a normal or decreased olfactory sense can be roughly answered. This smell test was developed for the ENT specialist in private practice, neurologist or general practitioner.

#### **Standard test with holder, instructions for use and evaluation material**

Screening 12 Test (12 odour pens)

Item No.: LA-13-00001

### **Screening 12 Test with Taste Strips**

With the Taste Strips additionally the four basic taste qualities (sweet, sour, salty, bitter) can be tested.

The Taste Strips are put in the middle of the patients tongue. The mouth is closed and the saliva solve the taste crystals by moving the tongue slightly. The patient has to indicate which of the four qualities he perceived (SWEET-SOUR-SALTY-BITTER) by means of the multiple choice card.

#### **Standard test with holder, instructions for use and evaluation material**

Screening 12 Test (12 odor pens) with taste strips

Item No.: LA-13-00344



#### **Refill sets without holder, instructions for use and evaluation material**

12 odor pens for Screening 12 Test

Item No.: LA-13-00004

Set of Taste Strips sweet, sour, salty, bitter (25 sets)

Item No.: LA-13-00331

Holder for Screening 12 (12 holes for pens, 4 holes for taste strips)

Item No.: LA-13-00339

Instructions for use for Screening 12 Test

Item No.: LA-18-00088

(available in different languages)

Evaluation pad for Screening 12 Test (50 sheets)

Item No.: LA-18-00077

Identification pad for Screening 12 Test (50 sheets)

Item No.: LA-18-00078

**Shelf life:** The sticks and containers are labeled with a best before date.

**Extended Test (Threshold, Discrimination, Identification)**

With the "Extended Test" a detailed examination of the olfactory sense may be performed. This smell test was developed for the clinic (ENT, neurology, psychiatry, internal medicine, etc)

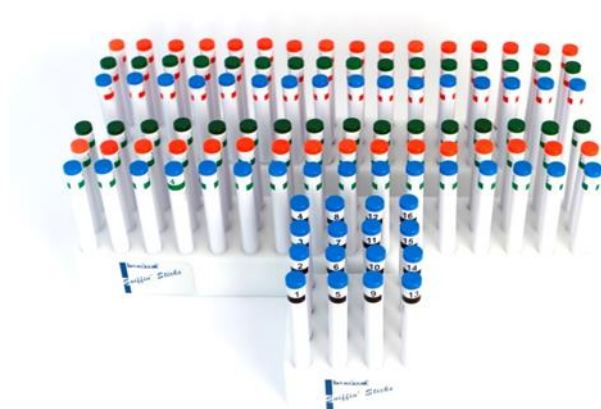
**We offer this test in 2 versions:**

**Standard test with Holder, instructions for use and evaluation material**

Threshold n-butanol, Discrimination, Identification 16, blue Item No.: LA-13-00134

**Special test with Holder, instructions for use and evaluation material**

Threshold 2-phenylethanol, Discrimination, Identification 16, blue Item No.: LA-13-00207



**The different subtests of the Extended Test are marked as follows:**

| Name                              | Font Colour | Colour of Pen's End                      | Number of Pens           |
|-----------------------------------|-------------|--|--------------------------|
| Threshold Test<br>n-butanol       | Red         | Red (Target)<br>Green, Blue (Blanks)     | 16 triplets =<br>48 pens |
| Threshold Test<br>2-phenylethanol | Black       | Red (Target)<br>Green, Blue (Blanks)     | 16 triplets =<br>48 pens |
| Discrimination Test               | Green       | Green (Target)<br>Red, Blue (Non-Target) | 16 triplets =<br>48 pens |
| Identification Test               | Black       | Blue                                     | 16 pens                  |

**Refill sets without Holder, instructions for use and evaluation material**

Threshold (n-butanol), Discrimination and Identification Test 16, blue Item No.: LA-13-00005

Threshold (2-phenylethanol), Discrimination and Identification 16, blue Item No.: LA-13-00061

Holder, small, for Identification Test (16 holes) Item No.: LA-13-00328

Holder, large, for Threshold and Discrimination Test (48 holes) Item No.: LA-13-00327

Instructions for use and evaluation material for Extended Test Item No.: LA-18-00007

**Shelf life:** The sticks are labelled with a best before date.

### **Duft- Quartett**

The "Duft-Quartett" is meant to enhance the sense of smell of patients and normal people. Based on today's state of knowledge the effect of the "Duft- Quartett is stimulation of the smell mucosa in the nose as well as enhancement of the sensation in the brain.

The "Duft-Quartett" consists of 4 felt tip pens which are filled with 4 different odors. The qualities are "lemon", "rose", "clove" and "eucalytus".



Art.-Nr.: LA-13-00067

**Included in delivery:** 1 glove of cotton, instruction for use

**Shelf life:** The sticks are labelled with a best before date

### **Taste Strips**

The taste strips are a validated examination procedure to investigate the taste ability. When testing the whole-mouth taste ability, the taste strips are applied by putting them on the tongue and closing the mouth (the patient may move the tongue). If there is interest in the gustatory sensitivity of certain tongue areas (e.g. lateralized testing), the mouth stays open and the strip will only be in contact with this area until the patient can give an answer.

### **Taste Strips 50 Sets (for the investigation of 50 patients)**



**1 set of taste strips (50) consists of:**

*4 concentrations of sweet, sour, salty and bitter each. 4 contains taste strips of each quality and 3 containers with blanks.*

*A box contains 19 containers with 50 strips each. In sum these are 950 strips*

Taste strips sweet, sour, salty, bitter (50 sets)  
Instructions for use and evaluation material for taste strips

Item No.: LA-13-00314  
Item No.: LA-18-00065

**Shelf life:** The containers are labeled with a best before date.

### **Taste Strips 25 sets (for the examination of 25 patients)**

**1 set of taste strips (25) consists of:**

*one container with 25 strips in highest concentration each for sweet, sour, salty and bitter.*



Taste strips sweet, sour, salty, bitter (25 sets)

Item No.: LA-13-00331

**Shelf life:** The containers are labeled with a best before date.

### **Identification Test 16, blue**

Here the ability to identify everyday smells is determined.

This smell test was developed for the ENT specialist in private practice, neurologist or general practitioner.

The Identification Test 16, blue consists of 16 odor pens with everyday odors, which have to be identified by the patient by means of a multiple-choice-card with four terms each.

### **Special test with holder, instructions for use and evaluation material**

Identification Test 16, blue (16 odor pens)

Item No.: LA-13-00135



### **Refill set without holder, instructions for use and evaluation material**

16 odour pens for Identification Test, blue

Item No.: LA-13-00014

Holder, small, for Identification Test (16 holes)

Item No.: LA-13-00328

Instructions for use and evaluation material for Identification Test, blue

Item No.: LA-18-00069

### **Identification Test Plus 16, purple**

The „Identification Test Plus 16“ (purple) contains 16 additional everyday odors. It serves as supplement to the Identification Test 16, blue, to avoid possible “recognition” of the pens when testing repeatedly.

### **Special test with holder, instructions for use and evaluation material**

Identification Test Plus 16, purple (16 odor pens)

Item No.: LA-13-00307



### **Refill set without holder, instructions for use and evaluation material**

16 odor pens for Identification Test, purple

Item No.: LA-13-00267

Holder, small, for Identification Test (16 holes)

Item No.: LA-13-00328

Instructions for use and evaluation material for Identification Test, purple

Item No.: LA-18-00070

**Shelf life:** The sticks are labeled with a best before date.



### **Threshold Test**

The smell threshold is determined in a so called "staircase procedure". After a start concentration of the smell is found out, the dilution step is identified at which the smell can just be distinguished from non-smelling pens (blanks).

**We offer this test in 2 versions: with n-butanol and with 2-phenylethanol**

### **Special tests with holder, instructions for use, evaluation material and**

Threshold Test n-butanol (48 pens=32 blanks und 16 odor dilutions)

Item No.: LA-13-00136

Threshold Test 2-phenylethanol (48 pens=32 blanks und 16 odor dilutions)

Item No.: LA-13-00137



| Name                           | Font Color | Color of Pen's End                   | Number of Pens           |
|--------------------------------|------------|--------------------------------------|--------------------------|
| Threshold Test n-butanol       | Red        | Red (Target)<br>Green, Blue (Blanks) | 16 triplets =<br>48 pens |
| Threshold Test 2-phenylethanol | Black      | Red (Target)<br>Green, Blue (Blanks) | 16 triplets =<br>48 pens |

### **Refill sets without holder, instructions for use, evaluation material**

48 pens=32 blanks and 16 dilutions n-butanol

Item No.: LA-13-00010

48 pens=32 blanks and 16 dilutions 2-phenylethanol

Item No. LA-13-00016

Reduced Threshold Test n-butanol (4 blanks, 16 dilutions)

Item No. LA-13-00048

Reduced Threshold Test 2-phenylethanol (4 blanks, 16 dilutions)

Item No. LA-13-00049

Holder, large for Threshold- or Discrimination Test (48 holes)

Item No.: LA-13-00008

Instructions for use and evaluation material for Threshold Test

Item No.: LA-18-00067

### **Discrimination Test**

Discrimination of odors is based on comparison of 3 smell presentations (triplet). To this end, two times the same odor is presented (non-target) and one time a different smelling one (target). The subject's task is to indicate which one smells different. This comparison is performed for 16 triplets.

### **Special test with holder, instructions for use, evaluation material**

Discrimination Test (48 odor pens=16 triplets)

Item No.: LA-13-00138



### **Refill set without holder, instructions for use, evaluation material**

48 odor pens for Discrimination Test

Item No.: LA-13-00012

Holder, large, for Threshold or Discrimination Test (48 holes)

Item No.: LA-13-00327

Instructions for use and evaluation material for Discrimination Test

Item No.: LA-18-00066

**Shelf life:** The sticks are labeled with a best before date.

## **Kids Ident**

The "U-Sniff" Test is used to assess the odor function in children aged 6 to 17 years. The test results can be used to differentiate between Normosmia, Hyposmia and Anosmia, if the patient is cooperative. Please refer the chapter "Advanced smell tests" for warnings and additional information.



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### **Kids Ident with holder, instructions for use, evaluation material**

Kids Ident (12 odor pens)

Art.-Nr.: LA-13-00407

### **Refill Set without holder, instructions for use, evaluation material**

12 odor pens for Kids Ident

Art.-Nr.: LA-13-00408

Holder for Kids Ident (12 holes for pens)

Art.-Nr.: LA-13-00339

Instruction for use for Kids Ident

Art.-Nr.: LA-18-00098

Evaluation pad für Kinderriechtest (50 Blatt)

Art.-Nr.: LA-18-00xxx

Identification pad for Kids Ident (50 Blatt)

Art.-Nr.: LA-18-00078

Multiple-Choice-cards for Kids Ident

Art.-Nr.: LA-18-00100

Overhead for Kids Ident

Art.-Nr.: LA-18-00099

**Shelf life:** The sticks are labeled with a best before date.

### **Smell-Paper for Sniffin' Sticks (Filter Paper), 1 Container with 50 Strips**

Burghart-Messtechnik smell-paper stripes can be used for the Screening-, Identification and Discrimination test. The patient is presented the prepared smell paper instead of the Sniffin' Sticks.

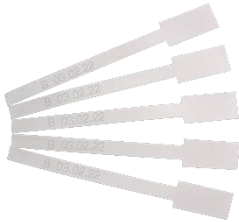


**Included in delivery:** Instructions for use, tweezers

Art.-Nr.: LA-13-00419

### **Smell-Paper Block for Sniffin' Sticks (Filter Paper), 4 Blocks with 25 Smell-Paper-Stripes each**

Burghart-Messtechnik smell-paper stripes can be used for the Screening-, Identification and Discrimination test. The patient is presented the prepared smell paper instead of the Sniffin' Sticks.



**Included in delivery:** Instructions for use

Art.-Nr.: LA-13-00420

## Accessories



**Holder, small, for 16 odour pens (Identification Test)**

Item No.: LA.13-00328



**Holder, small, for 12 odour pens and 4 containers taste strips (Screening 12 Test)**

Item No.: LA-13-00339



**Holder, large, for 48 odour pens (Threshold or Discrimination Test)**

Item No.: LA-13-00327

## **Instructions for Use and Evaluation Material**

Instructions for use for Screening 12 Test  
Evaluation pad for Screening 12 Test (50 sheets)  
Identification pad for Screening 12 Test (50 sheets)

Item No.: LA-18-00088  
Item No.: LA-18-00077  
Item No.: LA-18-00078

Instructions for use and evaluation material for Extended Test  
**Contains:** Threshold, Discrimination and Identification Test, blue

Item No.: LA-18-00007

Instructions for use and evaluation material for Identification Test, blue

Item No.: LA-18-00069

## **Instructions for Use and Evaluation Material**

Instructions for use for Screening 12 Test  
Evaluation pad for Screening 12 Test (50 sheets)  
Identification pad for Screening 12 Test (50 sheets)

Item No.: LA-18-00088  
Item No.: LA-18-00077  
Item No.: LA-18-00078

Instructions for use and evaluation material for Extended Test  
**Contains:** Threshold, Discrimination and Identification Test, blue

Item No.: LA-18-00007

Instructions for use and evaluation material for Identification Test, blue

Item No.: LA-18-00069

Instructions for use and evaluation material for Identification Test, purple

Item No.: LA-18-00070

Instructions for use and evaluation material for Threshold Test

Item No.: LA-18-00067

Instructions for use and evaluation material for Discrimination Test

Item No.: LA-18-00066

Instructions for use and evaluation material for Taste Strips

Item No.: LA-18-00065

## **Single Sticks**

Sticks unfilled

Sticks filled – the following odours are possible:

Ananas / Pineapple  
Apfel / Apple  
Banane / Banana  
Birne / Pear  
Blume / Flower  
Cola / Coke  
Erdbeere / Strawberry  
Essig / Vinegar  
Eukalyptus / Eucalyptus  
Fisch / Fish  
Flieder / Lilac  
Geräuchertes / Smoked meat  
Grapefruit / Grapefruit  
Gras / Grass  
Haselnuss / Hazelnut  
Himbeere / Raspberry  
Honig / Honey  
Ingwer / Ginger  
Kaffee / Coffee  
Kakao / Cocoa  
Karamell / Caramel  
Kirsche / Cherry  
Knoblauch / Garlic  
Kokos / Coconut  
Lakritz – Anis / Liquorice  
Lavendel / Lavender  
Leder / Leather  
Melone / Melon  
Menthol / Menthol  
Milch / Milk  
Nelke (Gewürznelke) / Clove  
Orange / Orange  
Pfefferminze / Peppermint  
Pfirsich / Peach  
Pilze / Mushrooms  
Rose / Rose  
Schokolade / Chocolate  
Sesamöl / Sesame oil  
Sojysoße / Soy sauce  
Terpentin / Turpentine

Vanille / Vanilla  
Zimt / Cinnamon  
Zitrone / Lemon  
Zwiebel / Onion

### **Labeling of the sticks (if required)**

Number of the sticks: 1 to 16  
Colour of Numbers: red, green or black

Colour of the end caps: red, green, black or blue