

ODOFIN™

Sniffin' Sticks & Taste Strips




**Smell and taste tests
for testing the sense of smell and taste**


Product Catalogue






Burghart Messtechnik GmbH
Uetersener Straße 6
25488 Holm
Deutschland

 +49 4103 80076-0

 +49 4103 80076-29

 info@burghart-mt.de

 www.burghart-mt.de
www.shop.burghart-mt.de

For reasons of better readability, the language forms male, female and diverse (m/f/d) are not used simultaneously. All personal terms apply equally to all genders.



Table of contents

Introduction	4
Standard tests with holder, instructions for use and evaluation material	5
Screening 12 Test	5
Screening 12 Test with 4 containers of 25 Taste Strips each	5
Extended Test	6
Taste Strips (50's set) 4 concentrations each of sweet, sour, salty, bitter + Blanks	7
Special and individual tests with holder, instructions for use and evaluation material	8
Identification Test 16, blue	8
Identification Test Plus 16, purple.....	8
Threshold Test	9
Discrimination Test.....	9
Kids Ident Test (children's smell test)	10
Odour Quartet 1 + 2 (smell training).....	11
Single sticks	12
Refill sets without holder, instructions for use and evaluation material	13
Accessories	14
Smell strips for Sniffin'Sticks (filter paper)	14
Smell strip sheets for Sniffin'Sticks (filter paper)	14
Additional Accessories for ODOFIN™-Products	15
List of odours	16
Lösungen / Solutions	16
Lösungen von Reinstoffen / Solutions of Pure Substances	17
Order Processing.....	18
Shelf life.....	18
Orders.....	18
Prices	18
Contact	18
Distribution partners	19
Belgium, Netherlands and Luxembourg	19
Denmark	19
North America	19

Introduction

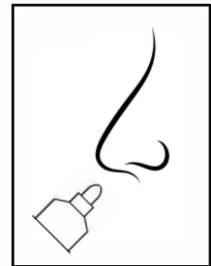
Burghart Messtechnik GmbH specializes, among other things, in the development and manufacture of products for olfactory and gustatory diagnosis.

The ODOFIN™ *Sniffin' Sticks* and *Taste Strips* are recognized worldwide and offer a wide range of applications in the field of medicine as well as in scientific research and development in various scientific institutions and industries, such as

- Otolaryngology / Rhinology
- Neurology
- Psychology
- Food and confectionery production
- Chemical industry
- Perfume industry

ODOFIN™ *Sniffin' Sticks* and *Taste Strips* are easy-to-use, reliable odour and taste tests for odour and taste diagnosis as well as for research and development - scientifically based and standardized.

ODOFIN™ *Sniffin' Sticks* smell test kits contain pen bodies such as those otherwise used for pens for writing on plastic wall charts. These pen bodies are filled with odours in a fibre stick. When testing, the cap is simply opened and the patient can smell the tip of the pen.



ODOFIN™ *Taste Strips* are a validated test method for determining the ability to taste.



ODOFIN™ *Sniffin' Sticks* and *Taste Strips* are developed in close cooperation with the Working Group on Olfaction and Gustation of the German Society for Otorhinolaryngology, Head and Neck Surgery.

The production and further development of the smell and taste tests of Burghart Messtechnik GmbH are scientifically accompanied by the Interdisciplinary Centre for Smell and Taste at the Carl Gustav Carus University Hospital of the Technical University of Dresden, Germany.

Standard tests with holder, instructions for use and evaluation material

Screening 12 Test

The Screening 12 test can be used to roughly answer the question of whether a patient has a normal or reduced sense of smell.

This olfactory test was developed for the practising ENT physician, neurologist or general practitioner

Included in delivery:

- 12 smell sticks
- Holder, instructions for use and evaluation material

The evaluation material is available in the following languages:

CZ, DE, DK, EN, ES, FI, FR, GR, IT, NL, NO, PL, PT



Item-No.: LA-13-00001
PZN: 17635748

Screening 12 Test with 4 containers of 25 Taste Strips each

In addition to the Screening 12 test, the four basic qualities of taste (sweet, sour, salty, bitter) can be tested with the Taste Strips.

The patient is asked to indicate which of the four qualities he has perceived by means of the multiple-choice template (SWEET-SOUR-SALTY-BITTER).

Included in delivery:

- 12 smell sticks
- 4 containers of 25 Taste Strips each in the highest concentration
- Holder, instructions for use and evaluation material
- Tweezers

The evaluation material is available in the following languages:

CZ, DE, DK, EN, ES, FI, FR, GR, IT, NL, NO, PL, PT



Item-No.: LA-13-00344
PZN: 17924978

Extended Test

With the Extended Test, a detailed examination of the olfactory ability can be carried out. Consisting of Threshold Test, Discrimination Test and Identification Test.

This olfactory test was developed for clinical use (ENT, neurology, psychiatry, internal medicine, etc.).

The Extended Test is offered in 2 variants:

Included in delivery:

- Threshold Test **n-Butanol** (48 smell sticks)
- Discrimination Test (48 smell sticks)
- Identification Test 16, blue (16 smell sticks)
- Holder, instructions for use and evaluation material



Note:

Odour note *n-Butanol* = *Fusel, balsamic whiskey*

Item-No.: LA-13-0002
PZN: 17850079

Included in delivery:

- Threshold Test **2-Phenylethanol** (48 smell sticks)
- Discrimination Test (48 smell sticks)
- Identification Test 16, blue (16 smell sticks)
- Holder, instructions for use and evaluation material



Note:

Odour note *2-Phenylethanol* = *rosy (also known as „rose-threshold“)*

Item-No.: LA-13-00207
PZN: 17635754

The individual modules of the Extended Test are marked as follows:

Description	Labelling colour	Colour of the end caps	Number of sticks
Threshold n-Butanol	red	red (target) green, blue (blanks)	16 triplets = 48 sticks
Threshold 2-Phenylethanol	purple	red (target) green, blue (blanks)	16 triplets = 48 sticks
Discrimination Test	green	green (target) red, blue (non-target)	16 triplets = 48 sticks
Identification Test	black	blue	16 sticks

Taste Strips (50's set) 4 concentrations each of sweet, sour, salty, bitter + Blanks

The Taste Test 50 is a validated examination method for determining the ability to taste. It is used when testing whole-mouth tasting ability by placing the Taste Strips on the tongue and closing the mouth (the tongue can be moved by the patient). If there is interest in the gustatory sensitivity of certain areas of the tongue (e.g., side-separated testing), the mouth remains open, and the strip only comes into contact with this area until the patient can give an answer.

This taste test was developed for the clinic (ENT, neurology, psychiatry, internal medicine, etc.) as well as for the practising ENT doctor, neurologist or general practitioner.

Included in delivery:

- 4 concentrations each of sweet, sour, salty, bitter and 3 containers with blanks.
- 19 containers with 50 taste strips each
- Instructions for use
- Tweezers

For 50 applications

Item-No.: LA-13-00314
PZN: 17975303

Product supplement:

For a more extensive investigation, 4 containers with 4 different concentrations of the Umami flavour can be ordered additionally.

Item-No.: LA-13-00228
PZN: --

Special and individual tests with holder, instructions for use and evaluation material

Identification Test 16, blue

Here, the ability to identify everyday odours is examined.

This smell test was developed for the practising ENT physician, neurologist and general practitioner.

The identification test 16, blue consists of 16 smell sticks with everyday smells, which are to be named by the patient with the help of a selection card (multiple-choice cards) with four terms each.

Included in delivery:

- 16 smell sticks
- Holder, instructions for use and evaluation material



Item-No.: LA-13-0013
PZN: 17635731

Identification Test Plus 16, purple

The Identification Test Plus 16, purple contains another 16 everyday odours. It serves as a supplement to the Identification Test 16, blue, in order to avoid possible recognition of the sticks when a person is repeatedly tested.

Included in delivery:

- 16 smell sticks
- Holder, instructions for use and evaluation material



Item-No.: LA-13-00266
PZN: 17850091

Threshold Test

The olfactory threshold is determined in a so-called "staircase procedure". After determining a starting concentration of the odour, the dilution level is determined (target) at which the odour can just be distinguished from non-smelling samples (blanks).

We offer this test in 2 variants: with n-Butanol and 2-Phenylethanol.

Included in delivery:

- 48 smell sticks (32 blanks und 16 dilutions)
- Holder, instructions for use and evaluation material



Threshold n-Butanol:
Item-No.: LA-13-0009
PZN: 17924903



**Threshold
 2-Phenylethanol:**
Item-No.: LA-13-00015
PZN: 17924932

Description	Labelling colour	Colour of the end caps	Number of sticks
Threshold Test n-Butanol	red	red (target) green, blue (blanks)	16 triplets = 48 sticks
Threshold Test 2-Phenylethanol	purple	red (target) green, blue (blanks)	16 triplets = 48 sticks

Discrimination Test

The discrimination of odours is based on a comparison between 3 odour presentations (triplet). The same odour is offered twice (non-target) and a different odour is offered once (target). The task of the test persons is to indicate which smell is different in each case. These comparisons are made for 16 triplets.

Included in delivery:

- 48 smell sticks (16 triplets)
- Holder, instructions for use and evaluation material



Item-No.: LA-13-00011
PZN: 17924889

Kids Ident Test (children's smell test)

The Kids Ident Test (children's smell test) is used to assess the olfactory function in children aged 6 to 17 years. The result of the test can be used to distinguish between normal olfactory ability (normosmia) and impaired olfactory ability (hyposmia).

Included in delivery:

- 12 smell sticks
- Holder, instructions for use and evaluation material



Item-No.:	LA-13-00407
PZN:	17850122

Odour Quartet 1 + 2 (smell training)

Odour Quartet (Duft-Quartett) 1

With the smell sticks of the Odour Quartet, the sense of smell can be improved in many people or patients.

According to current knowledge, the effect of olfactory training is based both on stimulation of the olfactory mucosa in the nose and on an improvement of the sensory impressions in the brain.

The Odour Quartet consists of 4 Smell sticks that release different scents:
Lemon, Rose, Clove and Eucalyptus.

Included in delivery:

- 4 smell sticks
- Instructions for use (German / English)
- Cotton gloves



Item-No.: LA-13-00067
PZN: 17635725

Odour Quartet (Duft-Quartett) 2 - For the continuation of the smell training

The effect of the olfactory training can be increased by the application of four additional odours and the sense of smell can be improved in many persons or patients.

As with the Odour Quartet 1, the effect of the smell training is based, according to current knowledge, both on a stimulation of the olfactory mucosa in the nose and on an improvement of the sensory impressions in the brain.

The Odour Quartet 2 consists of 4 smell sticks that release different odours:
Menthol, Thyme, Jasmine and Tangerine.

Included in delivery:

- 4 smell sticks
- Instructions for use (German / English)
- Cotton gloves



Item-No.: LA-13-00478
PZN: 17924961

Single sticks

Single sticks can be purchased both unfilled and individually filled.

Single sticks filled are available with different odours.

The list of odours can be found in the appendix of this catalogue.



Please contact us for
more information

Available colours for the end caps of the sticks:

- red, green, black, blue, yellow or purple.

Labelling options:

- numbering: 1 to 16 or unlabelled
- colour of numbers: red, green, black or purple

Please always specify the colour of the end caps and labelling as well as the desired numbering.

Refill sets without holder, instructions for use and evaluation material

<ul style="list-style-type: none"> • Screening 12 Test Included in delivery: 12 smell sticks 	Item-No.: LA-13-00004 PZN: 17635777
<ul style="list-style-type: none"> • Extended Test Included in delivery: 112 smell sticks Threshold Test n-Butanol, Discrimination Test, Identification Test 16, blue 	Item-No.: LA-13-00005 PZN: 17850085
<ul style="list-style-type: none"> • Extended Test Included in delivery: 112 smell sticks Threshold Test 2-Phenylethanol, Discrimination Test, Identification Test 16, blue 	Item-No.: LA-13-00061 PZN: 17635760
<ul style="list-style-type: none"> • Identification Test 16, blue Included in delivery: 16 smell sticks 	Item-No.: LA-13-00014 PZN: 17635808
<ul style="list-style-type: none"> • Identification Test Plus 16, purple Included in delivery: 16 smell sticks 	Item-No.: LA-13-00267 PZN: 17850116
<ul style="list-style-type: none"> • Threshold Test n-Butanol Included in delivery: 48 smell sticks (32 blanks, 16 dilutions) 	Item-No.: LA-13-00010 PZN: 17924926
<ul style="list-style-type: none"> • Threshold Test 2-Phenylethanol Included in delivery: 48 smell sticks (32 blanks, 16 dilutions) 	Item-No.: LA-13-00016 PZN: 17924949
<ul style="list-style-type: none"> • Threshold Test reduced n-Butanol Included in delivery: 20 smell sticks (4 blanks, 16 dilutions) 	Item-No.: LA-13-00048 PZN: --
<ul style="list-style-type: none"> • Threshold Test reduced 2-Phenylethanol Included in delivery: 20 smell sticks (4 blanks, 16 dilutions) 	Item-No.: LA-13-00049 PZN: --
<ul style="list-style-type: none"> • Discrimination Test Included in delivery: 48 smell sticks = 16 triplets 	Item-No.: LA-13-00012 PZN: 17924895
<ul style="list-style-type: none"> • Taste Strips 25 Set Included in delivery: 4 containers with 25 Taste Strips each in the highest concentration of sweet, sour, salty, bitter 	Item-No.: LA-13-00331 PZN: 17975326
<ul style="list-style-type: none"> • Kids Ident Test (children's smell test) Included in delivery: 12 smell sticks 	Item-No.: LA-13-00408 PZN: 17850139

Accessories

Smell strips for Sniffin' Sticks (filter paper)

The Burghart-Messtechnik smell strips made of filter paper can be used for the Screening Test, Identification Test and Discrimination Test. Instead of the smell stick, a prepared smell strip is presented to the patient.

Smell strips can be used if contamination of the smell sticks by patients must be avoided at all costs. The durability of the smell sticks may be reduced by this method.

Included in delivery:

- 50 smell strips in a tin
- Instructions for use
- Tweezers



Item-No.: LA-13-00419
PZN: --

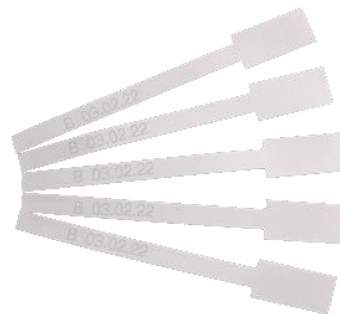
Smell strip sheets for Sniffin' Sticks (filter paper)

The Burghart-Messtechnik smell strips made of filter paper can be used for the Screening Test, Identification Test and Discrimination Test. Instead of the smell stick, a prepared smell strip is presented to the patient.

Smell strips can be used if contamination of the smell sticks by patients must be avoided at all costs. The durability of the smell sticks may be reduced by this method.

Included in delivery:

- 4 sheets of 25 smell strips each
- Instructions for use



Item-No.: LA-13-00420
PZN: --

Additional Accessories for ODOFIN™-Products	
• Holder, small for Identification Test 16, blue and Identification Test 16 Plus, purple (16 holes)	Item-No.: LA-13-00328
• Holder, small for Screening 12 Test and Kids Ident Test (12 holes for sticks and 4 holes for taste strips containers)	Item-No.: LA-13-00339
• Holder, large for Threshold Test or Discrimination Test (48 holes)	Item-No.: LA-13-00327
• Instructions for use for Screening 12 Test	Item-No.: LA-18-00088
• Instructions for use for Extended Test incl. copy templates for evaluation	Item-No.: LA-18-00119
• Instructions for use for Identification Test 16, blue and Identification Test 16 Plus, purple	Item-No.: LA-18-00103
• Instructions for use for Threshold Test incl. copy templates for evaluation	Item-No.: LA-18-00120
• Instructions for use for Discrimination Test incl. copy templates for evaluation	Item-No.: LA-18-00121
• Instruction for use for Taste Strips (50 set) incl. copy templates for evaluation	Item-No.: LA-18-00051
• Evaluation block for Screening 12 Test, Identification Tests, Kids Ident Test (50 sheets)	Item-No.: LA-18-00077
• Identification block for Screening 12 Test and Kids Ident Test (50 sheets)	Item-No.: LA-18-00078
• Identification block for Identification Test 16, blue and Identification Test 16 Plus, purple (50 sheets)	Item-No.: LA-18-00104
• Multiple-Choice cards 1-16 for Identification Test 16, blue (German / English)	Item-No.: LA-18-00108
• Multiple-Choice cards 1-16 for Identification Test 16 Plus, purple (German / English)	Item-No.: LA-18-00109
• Multiple-Choice cards 1 - 12 for Screening 12 Test (please indicate required language)	<i>Please contact us</i>
• Multiple-Choice cards 1-12 for Kids Ident Test	Item-No.: LA-18-00100
• Multiple-Choice cards for taste test	Item-No.: LA-18-00080

Our instructions for use are available in several languages and can be downloaded with the corresponding evaluation material at the following link:

www.burghart-mt.de/downloads

List of odours

Lösungen / Solutions



Ahorn	Himbeere	Menthol
Ananas	Ingwer	Milch
Apfel (natürlich)	Jasmin	Nelke (Gewürznelke)
Apfel (süß)	Käse	Orange
Banane	Kaffee I (geröstete Bohnen)	Pfefferminze
Birne		Pfirsich
Blume	Kaffee II (Caramel Macchiato)	Pilze
Butter		Räucherspeck
Cola	Kakao	Rose
Erdbeere	Karamell	Sesamöl
Essig	Kirsche	Sojasauce
Eukalyptus	Knoblauch	Terpentin
Fisch	Kokos	Thymian
Flieder	Lakritz / Anis	Vanille
Geräuchertes	Lavendel	Zimt
Grapefruit	Leder	Zitrone
Gras	Mandarine	Zwiebel
Haselnuss	Melone	



Maple	Raspberry	Menthol
Pineapple	Ginger	Milk
Apple (natural)	Jasmine	Clove (clove)
Apple (sweet)	Cheese	Orange
Banana	Coffee I (roasted beans)	Peppermint
Pear		Peach
Flower	Coffee II (caramel macchiato)	Mushrooms
Butter		Smoked bacon
Cola	Cocoa	Rose
Strawberry	Caramel	Sesame oil
Vinegar	Cherry	Soy sauce
Eucalyptus	Garlic	Turpentine
Fish	Coconut	Thyme
Lilac	Liquorice / Anise	Vanilla
Smoked	Lavender	Cinnamon
Grapefruit	Leather	Lemon
Grass	Tangerine	Onion
Hazelnut	Melon	

Lösungen von Reinstoffen / Solutions of Pure Substances

	n-Butanol		n-Butanol
	Linalool		Linalool
	(+)-Carvon		(+)-Carvone
	(-)-Carvon		(-)-Carvone
	(+)-Fenchon		(+)-Fenchone
	(-)-Fenchon		(-)-Fenchone
	Isoamylacetat		Isoamylacetate
	Citronellal		Citronellal
	(+)-Limonen		(+)-Limonene
	(-)-Limonen		(-)-Limonene
	Geraniol		Geraniol
	2-Phenylethanol		2-Phenylethanol
	Eugenol		Eugenol

Order Processing

Shelf life

Smell and taste tests are provided with an expiration date.

Smell sticks are stable up to approx. 12 months after production.

Exception: Threshold test n-Butanol is stable until approx. 6 months after production.

Taste strips have a shelf life of 5 years from production if the package is unopened. From opening the shelf life is 12 months.

Orders

Orders can be placed either online at www.shop.burghart-mt.de or by fax at +49 4103 80076-29 and by email at info@burghart-mt.de using the ODOFIN™ Offer and Order Form (please contact us).

Prices

The currently valid prices can be seen in our webshop or can be taken from the ODOFIN™ Offer and Order Form.

- From an order value of € 1.000,00 we grant a discount of 5 %
- All prices are subject to 19% VAT
- Minimum order value: € 45.00 per order
- Delivery condition: ex works (Incoterms 2020) plus postage / freight and packaging
- Terms of payment: 14 days net after invoicing

Upon confirmation of a valid VAT identification number, deliveries within the EU are tax-free as intra-community deliveries according to §§ 4 No. 1b, 6a Abs. 1 UStG.

Contact

For information, please contact our sales team by e-mail at info@burghart-mt.de or by phone at +49 4103 80076-0.

Distribution partners

Belgium, Netherlands and Luxembourg

**Sense Trading BV**

Peizerweg 97, 9727 AJ Groningen, Netherlands

www.smelltest.eu

info@medi-sense.nl

+31 (0)6 27899756

Denmark

**Abena A/S**

Egelund 35, 6200 Aabenraa, Denmark

www.abena.dk

info@abena.dk

+45 (0) 7431 1818

North America

Sales Representative:**Mr. Steve Yarcusko**

116 Waverly Lane

Chagrin Falls, OH 44022, U.S.A.

steve.yarcusko@gmail.com

+1 216 789 6147



St. Croix Sensory, Inc.

Distribution by:**St. Croix Sensory, Inc.**

1150 Stillwater Blvd. N.

Stillwater, MN 55082, U.S.A.

www.fivesenses.com

stcroix@fivesenses.com

+1 800 879 9231