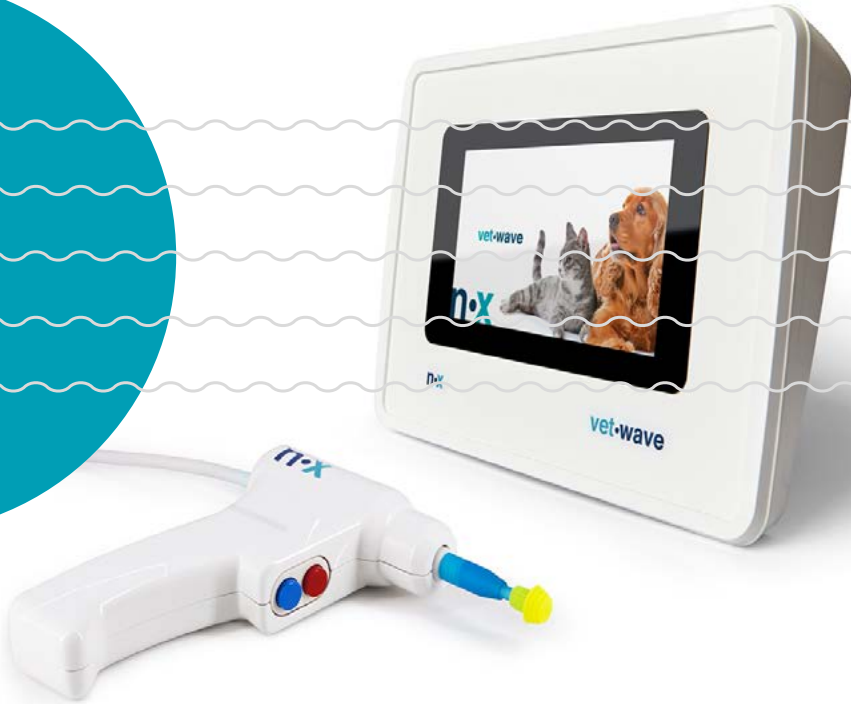


vet·wave®

MAKING EAR EXAMINATIONS EASIER

The first **screening** and **diagnostic device** for the functional evaluation of the **tympanic membrane** and **middle ear**



neuranix

n

vet-wave® the first
diagnostic
device for the functional
evaluation of the
tympanic
membrane and **middle**
ear in dogs and cats

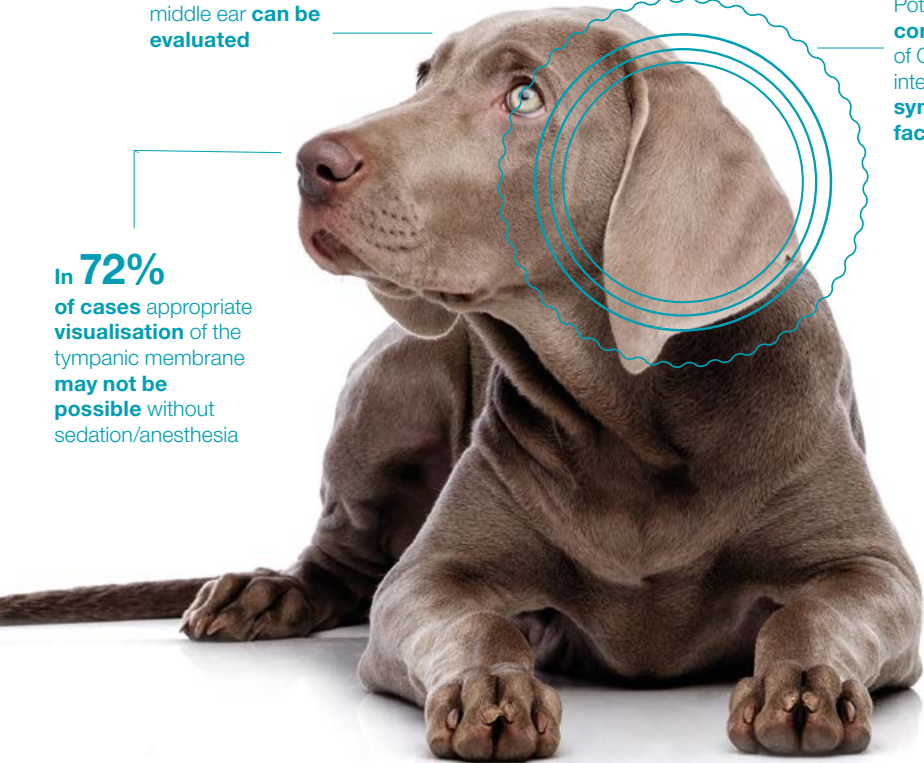
x

Up to **85%**
of chronic otitis
cases can develop
otitis media (OM)

The **functionality**
of the **tympanic**
membrane and
middle ear **can be**
evaluated

Potential
complications
of OM are otitis
interna, **vestibular**
syndrome and
facial paralysis

In **72%**
of cases appropriate
visualisation of the
tympanic membrane
may not be
possible without
sedation/anesthesia



For a simple and complete functional hearing

Otitis Externa and Otitis Media, alongside an abnormal or ruptured tympanic membrane, represent an important case load.

Otososcopic examination may not always be easy and detailed in every case.

Up to
85%
chronic otitis externa cases can have **concurrent otitis media**²

Up to
20%
of patients have **otitis externa**¹

In **72%**
of cases, **tympanic membrane** can be **difficult to visualise**³



References

1. Saridomichelakis MN, et al, Vet Derm 2007; 2. Reinbacher E, et al, Vet Ani Sci 2020; 3. Harvey RG, et al. Cremona 2002; 4. Cole LK, et al, J Am Vet Med Assoc 1998; 5. Garosi LS, et al, Vet Clin N Am 2012.

vet-wave® provides functional data on the tympanic membrane and allows you to confirm potential middle ear pathologies

Easy, fast and reliable screening

WHEN TO USE vet-wave®

vet-wave® comes with an easy and intuitive user interface, it allows quick and easy examination of the external and middle ear, thanks to objective data and measurements.

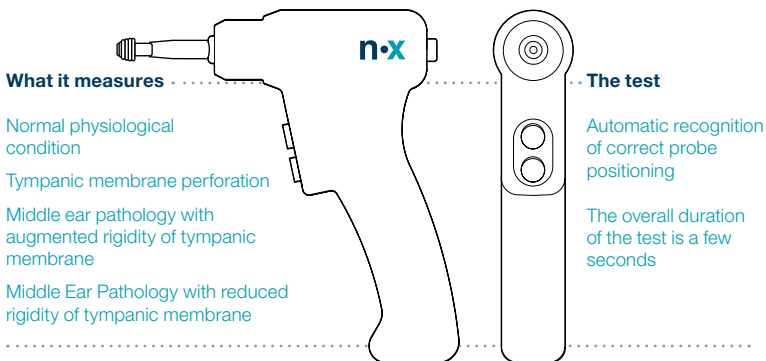
For a complete picture of the functionality of the hearing system of the patient, vet-wave® is supported by an integrated digital otoscope.

INNOVATIVE TECHNOLOGY

Specifically designed for dogs and cats, vet-wave® uses a unique and patented technology, based on a wide range of acoustic frequencies, non invasive for the pets.

It is therefore possible to assess the correct functionality of the tympanic membrane, its state and the energy absorbed by the animal's hearing system, up to the ossicular chain.

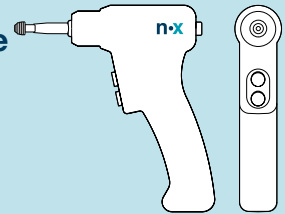
THE PROBE



vet·wave® has been designed to meet the needs of veterinarians in animal hospitals and general veterinary practices seeking greater certainty in the diagnosis of hearing-related issues.

vet·wave® Screen & Examine any ear disease

- Screen healthy or diseased ears
- Provides additional clinical information for further decision making and patient care



01

TO CONFIRM

are the eardrum and middle ear physiologically normal or pathological?

02

TO LOCALISE

is the dysfunction located with the tympanic membrane or middle ear?

03

TO IDENTIFY

next steps for a diagnosis

The result

Clinical information provided by **vet·wave®**

vet·wave® Diagnostic Classifications	>>	Differential Diagnosis requiring further clinical work-up and testing
Normal physiological condition	=	Normal tympanic membrane and middle ear
Tympanic membrane perforation	=	Ruptured eardrum
Middle ear pathology with augmented rigidity of tympanic membrane	=	Otitis media / Neoplasia of the middle ear Otic inflammatory polyps / Tympanosclerosis / Cholesteatoma
Middle Ear Pathology with reduced rigidity of tympanic membrane	=	Tympanic flaccidity / Tympanic reflex absent Potential foreign body / Ossicle dislocation

Easy to use vet-wave®

1

Measure both ears

Automatic data acquisition

2

Visualize the screening results

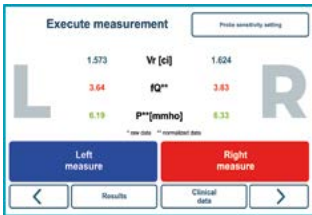
vet-wave® Provides a diagnostic classification and its probabilities

3

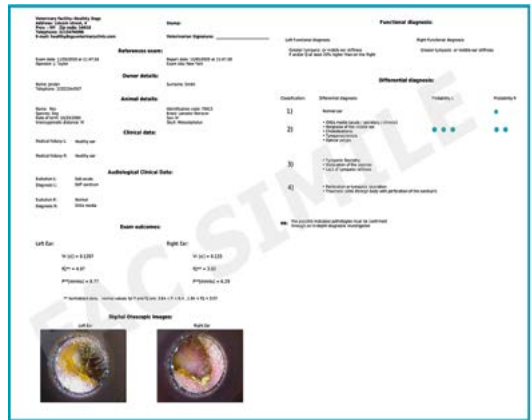
Automatic report generation

It provides a report of immediate and easy interpretation allowing the follow-up with subsequent measurements

execute measurement



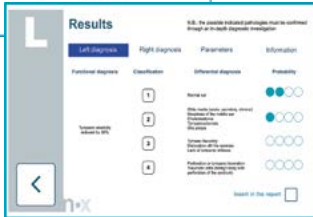
final report



right ear diagnosis



left ear diagnosis





INCLUDED ACCESSORIES

To complement the functional examination, it is possible to carry out a visual inspection of the external duct and the eardrum using the integrated digital video otoscope.

The digital Otoscope provided with specula suitable for animal use is fully integrated in the basic software of the vet-wave allowing it to be plug&play.

Image archiving and full reporting of the hearing test can be carried out completely automatically both in electronic and paper form.

150X MAGNIFICATION Optical magnification of up to 50x and digital magnification of up to 150x for an extremely precise analysis.

HIGH RESOLUTION LED High-resolution, high-quality LED with variable brightness control.

1.3 EFFECTIVE MEGAPIXELS

1.3 effective megapixels, with no interpolation and no image lags.

MULTILAYER GLASS LENSES

Multilayer glass, rather than of plastic, lenses for crystal clear images and excellent focal depth.

vet·wave®

MAKING EAR EXAMINATIONS EASIER

vet·wave® IS A PRODUCTS OF NEURANIX

Neuranix is an innovative company which develops and produces medical devices for both human and veterinary practitioners.

Currently Neuranix supports audiological research by evaluating the opportunities offered by the most important patented technologies. Research projects are carried out in collaboration with CNR (Italy's National Research Institute), with leading universities and specialist veterinary organizations.

QUALITY WARRANTY

The product is covered by a 2-year warranty from the date of purchase and we continuous updates of software and new hardware, through a selected network of distributors and service centres that guarantee full support.

Administrative Offices

Via del Cotone 1/B
31021 Mogliano V.to, Italy
+39 (0)41 8479035

Legal Offices

Via Coroglio 57
80124 Napoli, Italy
+39 (0)81 7352505

info@neuranix.com
www.vet-wave.com



by **neuranix**