

## Your Input - Our Innovation

Ambu is a specialist in electrodes and we continuously focus on involving the user in our innovation process, therefore we are able to develop high quality products that have outstanding product performance.

## Usage trials - for Reliable Results

To test the needle performance in usage situations we arranged trials for neurophysiologists to test the New needle on their patients. The neurophysiologists were asked to evaluate the needle in their daily work on the following parameters:

- Penetration
- Friction
- Repositioning
- Flexibility
- Handling of the needle
- Signal quality

The majority of the neurophysiologists in the trials were highly satisfied with the performance of the New needle.

Some commented:

"Very good penetration of the needle in the muscle."

"Very good reposition ability without significant resistance."

"Good signal with good registration parameters."

## Features and benefits

With the New Ambu Neuroline Concentric needle we can offer great product performance that ease the use of the equipment and allow you to focus on what is really important- your patient.

- Precision-centered silver sensor ensures uniform, reliable recordings
- Outstanding sharpness provides smooth skin penetration and greater patient comfort
- Reduced friction due too smooth surface of the cannula
- Ergonomic color-coded hub design for ease of use
- Tactile index mark on hub for easy identification of the bevel position
- Orientation-free connection to Ambu Neuroline Concentric cables, for ease of use
- High signal quality with low impedance for strong, reliable recordings
- Available in 6 convenient sizes



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Ideas that work for life

Ambu

## Reliability and Efficiency for You and Your Patient



**New Outstanding Disposable  
Concentric Needle Electrode  
from Ambu Neuroline**

## Innovative products to satisfy Your Needs

We have redesigned the Ambu® Neuroline Disposable Concentric Needle to give you the greatest possible confidence and reliability during EMG procedures.

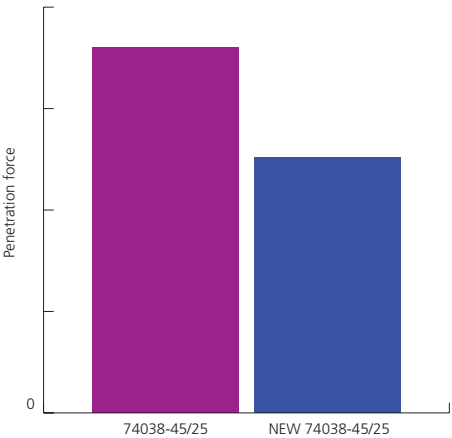
The New Ambu® Neuroline Concentric needle electrode is a result of our ongoing commitment to increase patient comfort during EMG procedures. Our New Concentric needle has become even better and shows a significant reduction in friction and penetration force, significantly enhancing the patient experience.



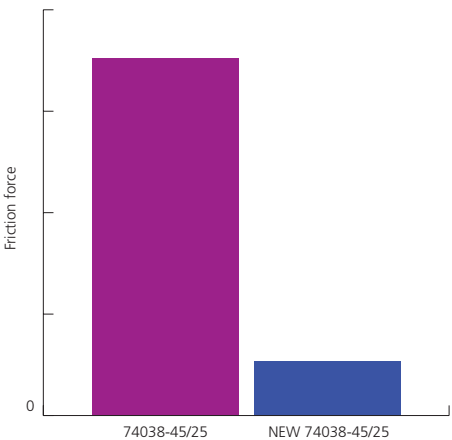
Ongoing product development to ensure You the best quality

## Improved performance for better EMG examinations

Our New disposable Concentric needle shows a remarkable improvement of 30% in penetration.



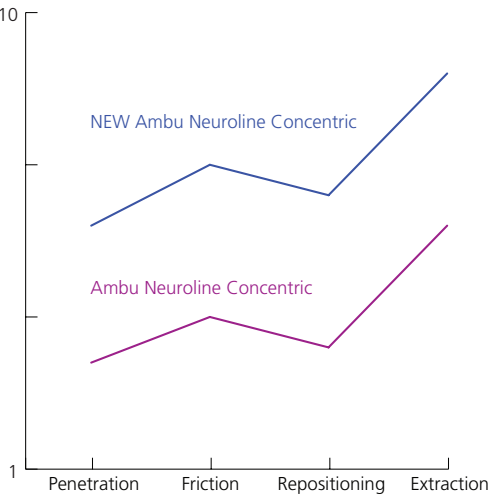
Tests also demonstrate an improvement of 85% in friction force.



\* All tests has been performed according to test procedure ISO/TC 84/SC1 (Guidance on test procedure for evaluation of needle penetration performance)

## Providing You with the Best Quality

A field test carried out before introducing the New concentric needle on the market clearly demonstrates the improvement in penetration, friction, repositioning and extraction performance. The parameters were rated from 1 (poor) to 10 (good).



In the field test the New concentric needle was compared with the currently commercialized one. The test was performed on 10 subjects by 3 neurophysiologists. The neurophysiologists were to evaluate the needle performance on penetration, friction, repositioning and extraction. All needles were blinded.