

# Antinitus® Relief Patch

Type	Safety	Efficacy	Recommended?
			
Device (patches)	Limited potential for harm	Evidence that it has no effect	No

## In detail:

<b>The maker claims</b>	<p>Antinitus provides long term relief from tinnitus<sup>1</sup>.</p> <p>"[the patch] contains a unique microscopic raster, which, with the help of incident visible and thermal light, creates a regular and organised fractal light. In contact with fractal light, water molecules in biological tissues adopt a more coherent state. The hypothesis is that an elevated reorganisation of water in the biological environment may modulate the chaotic audio loops in the auditory system that represent the various conscious sound experiences that we call tinnitus and hence provide relief."<sup>2</sup></p>
<b>What is the treatment?</b>	A patch is applied behind the ear in which tinnitus is experienced. The patch is replaced every day for three weeks.
<b>What are the downsides of this treatment?</b>	Skin irritation; cost
<b>Has there been research into this treatment?</b>	Two papers have been published which looked at this treatment.

**Tinnitus UK try very hard to make sure our information is right, but this information should not be taken as medical advice. You should always check with your doctor before trying any tinnitus treatment.**

<b>What does the research say?</b>	The pilot study showed an increase in tinnitus severity in 50% of patients, and no significant changes in tinnitus annoyance, quality of life and sleep initiation time <sup>3</sup> .  The larger study showed there was no statistically significant difference in tinnitus annoyance, Tinnitus Handicap Inventory or well-being between the active (treatment) and placebo groups directly at the end of treatment <sup>4</sup> .
<b>How high quality is the research?*</b>	B/C
<b>Tinnitus UK's opinion on this treatment:</b>	There is evidence that this treatment does not work.  There is no plausible mechanism for this treatment to work.
<b>Would Tinnitus UK support further studies into this treatment?</b>	No
<b>Comments</b>	Läkemedelsverk (the Swedish Medical Products Agency) banned Antinitus® from sale in October 2018 as there was no evidence of its effectiveness <sup>5</sup> .  An appeal from the manufacturer was unsuccessful, meaning that the product can no longer be sold with the European Union <sup>6</sup> .

\* A = Systematic review/meta analysis. B = Randomised control studies. C = Cohort studies. D = Case control studies. E = case studies/reports. +/- to be used to indicate quality within bands

## For further information

The Tinnitus UK Tinnitus Support Team can answer your questions on any tinnitus related topics:

Telephone **0800 018 0527**  
 Web chat **tinnitus.org.uk**  
 Email **helpline@tinnitus.org.uk**  
 Text/SMS **07537 416841**

We also offer a free tinnitus e-learning

programme, Take on Tinnitus at [takeontinnitus.co.uk](http://takeontinnitus.co.uk)

## References

All online references accessed 18 October 2022 unless noted.

1. Antinitus AB. *Antinitus patch tinnitus treatment*. [www.antinitus.com](http://www.antinitus.com) [accessed via [web.archive.org](http://web.archive.org) - originally accessed 20 October 2020]

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2. Antinitus AB. *Antinitus patch tinnitus treatment*. [www.antinitus.com/product/antinitus-tinnitus-relief-patch-treatment/](http://www.antinitus.com/product/antinitus-tinnitus-relief-patch-treatment/) [accessed via [web.archive.org](http://web.archive.org) - originally accessed 20 October 2020]

3. Ahnblad P. Pilot Investigation of a Topographical Filter Dermal Patch in Patients with Tinnitus. *International Tinnitus Journal*. (2017) 21[1]:7-13

4. Coelho C, Tyler R et al. Survey on the Effectiveness of Dietary Supplements to Treat Tinnitus. *American Journal of Audiology*. (2016) 25(3): 184-205

5. British Society of Audiology. *Practice Guidance – Tinnitus in Adults*. (2021) Available from: [www.thebsa.org.uk/resources/practice-guidance-tinnitus-in-adults/](http://www.thebsa.org.uk/resources/practice-guidance-tinnitus-in-adults/)

6. Tunkel DE, Bauer CA, Sun GH, et al. Clinical Practice Guideline: Tinnitus. *Otolaryngology–Head and Neck Surgery*. (2014);151(2\_suppl): S1-S40. doi:10.1177/0194599814545325

## Feedback

We welcome feedback on all our information.

You can pass your comments to our Communications Team by calling us on **0114 250 9933**, emailing [communications@tinnitus.org.uk](mailto:communications@tinnitus.org.uk) or by writing to us at the address below.

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