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Scientists create 'miracle water' that kills infections and MRSA

By FIONA MACRAE - [More by this author >](#) Last updated at 15:03pm on 24th May 2007

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Scientists have created a form of water which can zap hospital superbugs and speed up wound healing.

Dermacyn – dubbed "miracle water" – is effective against infections ranging from MRSA to TB and has just been approved for sale in the UK.

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A splash of Dermacyn can speed up the healing of wounds

A splash can also speed up the healing of wounds by increasing the flow of blood to the area.

Dan McFadden, of manufacturer Oculus, said: "People think it is too good to be true. Our challenge is to get beyond that disbelief. This is the real thing."

The liquid is a chemically-altered version of salty water which is full of negatively-charged particles.

These are capable of killing dangerous micro-organisms by punching holes in their cell walls.

While bacteria and viruses are quickly dispatched, human cells are left intact because they are packed too tightly together to be attacked.

The potion costs around £16 a bottle and has a shelf-life of two years, New Scientist magazine reported.

Dermacyn is recommended for external use only and so should not be drunk.

However, drinking it is not known to do any harm – and may even clear up bad breath, according to its makers.

In trials on diabetic patients, the water was more effective at clearing up hard-to-treat foot ulcers than existing treatments.

Ulcers that took 55 days to heal when treated with iodine and antibiotics took 43 days when Dermacyn was used instead.

Dr Cheryl Bongiovanni, who has used the product on more than 1,000 patients in Oregon, said: "When you spray it on, you see the treated tissue 'pink up' and go beefy, which is good because it means the oxygen supply has resumed."

Other tests have shown that small amounts can kill vast quantities of bacteria, viruses and fungi – including many that are unaffected by bleach.

Vulnerable germs include the hospital superbugs MRSA and clostridium difficile, food poisoning bacteria e.coli and salmonella, and the TB bug and

HIV.

Hoji Alimi, president of California based Oculus, said: "Disinfection is generally known as the important prerequisite for chronic wounds to heal.

"The challenge is to effectively reduce the bacterial load, while remaining harmless to the healthy tissue surrounding the wound.

"We developed a technology with a method of action similar to the body's own process when killing bacteria, including resistant strains like MRSA. This is a breakthrough in wound treatment."

Dermacyn, which is available as a solution and a spray, is on sale in the U.S. and has been licensed for over-the-counter sale in the UK.

However, its manufacturers do not plan to start selling it here unless they receive large-scale orders for its use in the Health Service.

British experts yesterday welcomed the innovation.

Professor Andrew Boulton, who is investigating the solution's wound healing effects at Manchester Royal Infirmary, said initial signs were "promising".

Mike Foster, of Help the Aged, added: "Chronic leg wounds are a significant cause of disability and distress for older people. They cost £1billion per year to treat.

"There is an urgent need to understand the biology of our repair systems so that we can improve treatments that will help to restore more people's health and independence."

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This is wonderful news. It's a shame that it couldn't have been discovered years ago so that MRSA and other deathly organisms could have been wiped out.

- Anon, Haywards Heath, W.Sussex.

It would seem to be a bit of a miracle cure for the battle against the hospital super bugs, and I would hope the NHS will get this stuff on as wide a base as possible test, as soon as possible. After all, it could save thousands of lives, not to mention untold millions of pounds of taxpayers money.

- Peteroldham, Bourne, England

IF this liquid can do what it says it can do then the sooner trials are completed and reports produced the sooner someone at the DoH can make a sensible decision to begin to use it in our badly MRSA and C Difficile infected NHS hospitals.

- Ken, Suffolk, England

Thank God for a treatment that will eliminate the risk of going into filthy British hospitals and dying there because of their lack of hygiene. As a pensioner and a diabetic I fear the prospect of hospitalisation in the UK because of this cost-cutting mania besetting the NHS. Couldn't someone give Patricia Hewitt a good swig of this water?

- Kathab, UK

It would be interesting to see how quickly our hospitals use this fantastic water. Or will the large drug companies buy out the manufacturer of this water, as the drugs make so much money for these enormous conglomerates.

- Victor Arram, Westcliff on Sea

There's been a magic potion available for years, and its cheaper than this stuff. Its called whisky.

- Tony, Oxford, UK

I am delighted to hear this news, lets hope, as there is so much MRSA in our hospitals that this could be widely used as soon as possible.

- June Page, Devon

Maybe they can use it to wash down the hostpitals...

- Robert Browne, formerly of Liverpool living in Bosnia

Will it clean up No 10 Downing St, that would be impressive!

- Sid, Gateshead

So, this is actually just a dilute bleach solution then? Genius! What a miracle that is.

- Harry, London

I'm waiting for NICE to turn it down for use in England.

- Harry Basset, Whitby, England

Colloidal Silver does much more than this new fancy water and has been around for years! It can kill bacteria, virus, parasites and fungus. You just haven't heard about it because Big Pharma can't make a cent from it!

- Max, Gold Coast, Australia

A miracle water? Salty water does most of these things, and antiseptics and disinfectant. Just shows how much we've forgotten. Sounds like marketing to me.

- Roy, Southend, UK

There's the wonder of Dermacyn, but no one has considered the Hewitt-NuLabour factor. Doubtless we'll have guff about it's too expensive for the NHS or even that Ms Hewitt has never heard of it!

- Terence, Hereford

So where do I get it to treat the MRSA that my husband brought home from hospital?

- Jan, Epping, UK

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