

# Getting the correct dilution rate: a worked example

It is important to get the correct dilution rate for your disinfectant otherwise it may not work.

In this example we will demonstrate how to correctly dilute FAM-30

The screenshot shows the Defra website's 'Disinfectants Approved for use in England, Scotland and Wales' page. A table lists various disinfectant products. The row for 'FAM-30' is highlighted with a red box. The table columns are: Product Name, Company Name, Address, TB (Tuberculosis) Orders, TB (Tuberculosis) Orders, TB (Tuberculosis) Orders, TB (Tuberculosis) Orders, and TB (Tuberculosis) Orders. The FAM-30 row shows a dilution rate of 1:14 for Tuberculosis Orders.

Product Name	Company Name	Address	TB (Tuberculosis) Orders	TB (Tuberculosis) Orders	TB (Tuberculosis) Orders	TB (Tuberculosis) Orders	TB (Tuberculosis) Orders
Zeta	Zevo Veterinary International	Stoney Road Waterbury PP9 6JH	1:20	1:20	1:20	Not approved	Not approved
FAM-30	Zevo Veterinary International	Stoney Road Waterbury PP9 6JH	1:20	1:20	1:20	1:14	1:14
Disinfectant	Disinfectant	Disinfectant	Not approved	Not approved	Not approved	Not approved	Not approved
FAM-30	Disinfectant	Disinfectant	Not approved	Not approved	Not approved	Not approved	Not approved
Disinfectant	Disinfectant	Disinfectant	Not approved	Not approved	Not approved	Not approved	Not approved

## [Defra, UK - Disinfectants](#)

### 1. Double check your disinfectant is approved for use against TB

The approved disinfectants list is constantly being updated so just because you were able to use a certain disinfectant in the past, doesn't mean you will necessarily be able to use it now. Check the approval is still in place.

### 2. How to correctly dilute

If your selected disinfectant is approved for use against TB, check it's dilution rate in the table. For FAM-30 this is 1:14. This means the number of parts of water (14) to one part disinfectant. Therefore if you used 1ml of disinfectant, you would require 14mls of water to correctly dilute it. This can easily be scaled up - if you used 150ml of disinfectant, you would require  $(14 \times 150) = 2100\text{ml}$  (ie 2.1L) of water to correctly dilute it.

Always check the label of your chosen disinfectant for further, more detailed instructions about its use