



Edition: BP 2025 (Ph. Eur. 11.6 update)

Salmonella Dublin Vaccine, Living

[General Notices](#)

Calf Paratyphoid Vaccine, Living

DEFINITION

Salmonella Dublin Vaccine, Living is a suspension of a suitably modified rough strain of [Salmonella](#) Dublin. The vaccine is prepared immediately before use by reconstitution from the freeze-dried vaccine with a suitable liquid.

PRODUCTION

The vaccine may be prepared using suitable cultures grown in solid or liquid media.

Safety

Carry out a test in each category of animal for which the vaccine is to be recommended. Vaccinate at least five animals that, as far as possible, are free from antibodies to [Salmonella](#) spp. Administer to each animal a quantity of bacteria containing not less than ten times the maximum titre likely to be contained in a dose of the vaccine. Observe the animals for 2 weeks. No abnormal local or systemic reactions occur.

The reconstituted vaccine complies with the requirements stated under [Veterinary Vaccines](#), with the following modifications.

IDENTIFICATION

Consists of a suspension of Gram-negative bacilli having the morphological, cultural and serological characteristics of rough strains of *S. Dublin*.

TESTS

Bacteria and fungi

Carry out the test by microscopic examination and by inoculation of suitable media, or verify the absence of micro-organisms other than the vaccine strain present in the vaccine as described in the test for sterility prescribed in the monograph [Veterinary Vaccines](#). The vaccine complies with the test if it does not contain extraneous micro-organisms.

Viable count

The batch complies with the test if the titre of the batch is not less than the titre stated on the label, determined by plate counts.

