

UNITED STATES PATENT OFFICE.

FERNAND BERLIOZ, OF GRENOBLE, FRANCE, ASSIGNOR TO LA SOCIÉTÉ CHIMIQUE DES USINES DU RHÔNE, ANCIENNEMENT GILLIARD, P. MONNET ET CARTIER, OF LYONS, FRANCE.

GUAIACOLATED SERUM AND PROCESS OF MAKING SAME.

SPECIFICATION forming part of Letters Patent No. 664,377, dated December 25, 1900.

Application filed February 4, 1899. Serial No. 704,465. (No specimens.)

To all whom it may concern:

Be it known that I, FERNAND BERLIOZ, professor of the medical school at Grenoble, residing at Grenoble, France, have invented
5 certain new and useful Improvements in Guaiacolated Serum, of which the following is a specification.

This invention relates to a new and improved combination of guaiacol for therapeutic
10 purposes.

The remedial value which has of late years been assigned to guaiacol in the treatment of tuberculosis and similar diseases has led to the introduction of a number of combinations
15 of this drug intended to overcome various difficulties in its administration and more particularly to avoid its caustic effect on the mucous membranes.

According to the present invention the normal serum of healthy animals, and especially
20 of bullocks, is employed as the basis of a new combination by means of which the guaiacol may be administered, preferably by the rectum, without any functional disturbances and
25 in a condition in which it is most readily absorbed. To effect this combination, it is necessary to employ a compound of guaiacol which does not coagulate or otherwise deteriorate the serum, and on this account, as well
30 as owing to its great solubility in glycerin, guaiacol phosphite is preferable. Any other non-coagulating salt or compound of guaiacol or of creosote, which consists principally of guaiacol and its homologues, may, however,
35 be employed in the place of guaiacol phosphite.

In order to carry out the invention, the guaiacol phosphite is first dissolved in a suitable medium, such as glycerin, and then added

to the clear normal serum, which has been
40 prepared under the usual aseptic precautions.

For example, a concentrated solution is made by dissolving four hundred grams of guaiacol phosphite in one kilo of glycerin. Of
45 this concentrated solution in order to prepare a serum combination containing one per cent. guaiacol phosphite to 96.66 parts of normal serum 3.34 parts of the glycerin solution are added and thoroughly mixed. The guaiacolated serum is filled into sterilized bottles and
50 stored for use.

What I claim, and desire to secure by Letters Patent, is—

1. The method or process of preparing a medicinal compound which consists in dis-
55 solving a non-coagulating guaiacol compound in a solvent thereof miscible with animal serum, and in then adding the resulting solution to normal animal serum.

2. The method or process of preparing a
60 medicinal compound which consists in dissolving guaiacol phosphite in glycerin and in then adding the resulting solution to normal animal serum.

3. As a new product, normal animal serum
65 containing a non-coagulating guaiacol compound in a state of solution.

4. As a new product, normal animal serum
70 containing a glycerin solution of guaiacol phosphite.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

FERNAND BERLIOZ.

Witnesses:

FELIX JOURDOM,
FRANCOIS DUREE.