WHAT IS CLAIMED IS:

1. Use of a vaccine composition for the manufacture of a medicament for immunizing a queen bee or passing immunity from the bee queen to bee larvae produced by the queen bee against a bacterial disease, wherein the vaccine composition comprises an effective amount of dead non-disease whole cells or cell wall fragments of a non-disease causing bacterial species, and wherein the medicament is to be administered to the bee queen thereby immunizing the queen bee and the bee larvae produced by the queen bee.

2. The use of claim 1, wherein the queen bee is a honeybee queen bee and the bee larvae are honeybee larvae produced by the honeybee queen bee.

3. The use of claim 1 or 2 wherein the bacterial disease is caused by *Enterococcus*, optionally *Melissococcus sp.* and the dead non-disease causing bacterial species comprises *Paenibacillus sp*, or the bacterial disease is caused by *Paenibacillus sp*. and the dead non-disease causing bacterial species comprises *Melissococcus sp*.

4. The use of any of claims 1-3, wherein the vaccine composition further comprises whole cells or cell wall fragments of at least one dead bacterial species of selected from *Melissococcus plutonius, Paenibacillus, Paenibacillus larvae, Paenibacillus alvei Paenibacillus dentritiformis*, or a combination thereof.

5. The use of claim 3, wherein the dead, non-disease causing bacterial species is selected from the group consisting of *Paenibacillus alvei*, *Paenibacillus dentritiformis*, *Paenibacillus amylolyticus*, *Paenibacillus campinasensis*, *Paenibacillus chondroitinus*, *Paenibacillus chungangensis*, *Paenibacillus doosanensis*, *Paenibacillus glucanolyticus*, Paenibacillus humicus, *Paenibacillus lactis*, *Paenibacillus lautus*, *Paenibacillus lentimorbus*, *Paenibacillus maceran*, *Paenibacillus macerans*-like, *Paenibacillus macquariensis*, Paenibacillus motobuensis, *Paenibacillus pabuli*, *Paenibacillus phoenicis*, *Paenibacillus polymyxa*, Paenibacillus popilliae, *Paenibacillus puldeungensis*, *Paenibacillus residui*, *Paenibacillus stellife*, *Paenibacillus thiaminolyticus*, *Paenibacillus validus*, *Paenibacillus xylanisolvens*, or a combination thereof.

6. The use of claim 1 or 2, wherein the dead, non-disease causing bacterial species comprises *Melissococcus plutonius.*

7. The use of any one of claims 1-6, wherein the vaccine composition comprises from about 1.5 $x10^5$ to about 2.0 $x10^{10}$ antigen units of whole cells or cell wall fragments per dose.

8. Use of an effective amount of a composition comprising a dead non-disease causing bacteria for the manufacture of a medicament for immunizing a bee larvae against Foulbrood disease, wherein the composition is to be administered to a worker bee or a bee queen, thereby immunizing the bee larvae produced by the queen bee.

9. The use of claim 8, wherein the queen bee is a honeybee queen.

10. The use of claim 8 or 9, wherein the Foulbrood disease is caused by *Melissococcus plutonius*, wherein the Foulbrood disease is European Foulbrood caused by *Melissococcus plutonius* and the dead non-disease causing bacteria comprises *Paenibacillus sp,* or the Foulbrood disease is American Foulbrood and is caused by *Paenibacillus sp* and the dead non-disease causing bacteria comprises *Melissococcus sp.*

11. Use of a composition comprising whole cells or cell wall fragments of at least one dead, non-disease species of *Paenibacillus* for the manufacture of a medicament for preventing or treating European foulbrood in a population of honeybees, wherein the composition is to be administered to a queen bee of the population.

12. The use of claim 11, wherein the dead non-disease species of *Paenibacillus* and from the group of *Paenibacillus alvei*, *Paenibacillus dentritiformis, Paenibacillus amylolyticus, Paenibacillus campinasensis, Paenibacillus chondroitinus, Paenibacillus chungangensis, Paenibacillus doosanensis, Paenibacillus glucanolyticus,* Paenibacillus humicus, *Paenibacillus lactis, Paenibacillus lautus, Paenibacillus lentimorbus, Paenibacillus maceran, Paenibacillus macerans*-like, *Paenibacillus macquariensis, Paenibacillus motobuensis, Paenibacillus pabuli, Paenibacillus phoenicis, Paenibacillus polymyxa, Paenibacillus popilliae, Paenibacillus puldeungensis, Paenibacillus residui, Paenibacillus stellife, Paenibacillus thiaminolyticus, Paenibacillus validus, Paenibacillus xylanisolvens,* or a combination thereof.

13. The use of claim 12, wherein the dead non-disease species of *Paenibacillus* are from the group of: *Paenibacillus alvei, Paenibacillus dentritiformis,* and *Paenibacillus larvae* or a combination thereof.

14. Use of a composition comprising whole cells or cell wall fragments of at least one dead, non-disease species of *Bacillus* for the manufacture of a medicament for preventing American foulbrood in a population of honeybees, wherein the composition is to be administered to a queen bee of the population.

15. The use of claim 14, wherein the dead non-disease species of *Bacillus* is a *Enterococcaceae*, optionally wherein the dead non-disease species is *Melissococcus plutonius*.

16. The use of any one of claims 1 to 15, wherein the administering comprises feeding the queen bee a wafer of queen candy comprising from about 1.5 $x10^5$ to about 2.0 $x10^{10}$ antigen units per dose of at least one dead non-disease species or fragments thereof.

17. A method for preparing a vaccine for an insect or other invertebrate, the method comprising isolating whole cells or cell wall fragments from at least one dead of a bacterial *Melissococcus plutonius*.

18. The method of claim 17, further comprising admixing the isolated antigen units with an insect or other invertebrate food, such as a queen bee wafer, optionally wherein the method further comprises formulating the isolated whole cells or cell wall fragments to provide from about 1.5 $x10^5$ to about 2.0$x10^{10}$ antigen units per dose.

19. A vaccine composition prepared by a method of claim 17 or 18.

20. A kit comprising the vaccine composition of claim 19, and instructions for use.