

Canine Parvovirus

BTI-11

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For: **SUBUNIT CANINE PARVOVIRUS VACCINE**

Status

Patent issued November 20, 1990.

Related Files or Patent Applications

None pending.

Summary of Technology

This patent discloses a recombinant subunit vaccine for protecting dogs against infection caused by canine parvovirus comprising VP-2 protein produced during replication of a recombinant baculovirus in insect tissue culture cells or insects that are a permissive host for the replication of selected baculoviruses.

Claim Coverage

The claims generally are directed to a prophylactic subunit vaccine for protecting dogs against infection caused by canine parvovirus produced by a recombinant process comprising the steps of: a. selecting a *Autographa californica* nuclear polyhedrosis virus; b. using a transfer plasmid known as pAc 6C2B23 for introducing the canine parvovirus VP-2 gene into the *Autographa californica* nuclear polyhedrosis virus by a process known as recombination thereby forming a recombinant virus known as CPV 6C2B23; c. inoculating the recombinant virus CPV 6C2B23 into insect tissue culture cells or insects that are permissive hosts for *Autographa californica* nuclear polyhedrosis virus replication and production of VP-2 protein and culturing CPV 6C2B23 in insect tissue culture cells for a time and under conditions sufficient for the production of VP-2 protein; and d. recovering the CPV 6C2B23 produced VP-2 protein for inoculation of a canine as a vaccine free of other CPV proteins.

Interested Parties or Potential Licensees

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