

MUKTAVAC® 50

MUKTAVAC 50 is the specially developed light liquid paraffin based - ready to use - adjuvant for making W/O- type emulsion with immunogenic antigens, based on oil : aqueous - 50 : 50 Wt / Wt basis.

Water-in-oil (W/O) emulsions are emulsion types where small aqueous-antigens are entrapped within oil droplets. Here, the light mineral oil is in continuous phase.

MUKTAVAC 50 provides one step emulsification for a stable and consistent vaccine formulation which is easy to inject. The MUKTAVAC adjuvants ensure prolonged antigen persistence in the tissue. The MUKTAVAC 50 adjuvanted antigens ensures very strong, uniform and long duration immune response.

MUKTAVAC 50 is most suitable for weakly immunogenic antigens and is mostly recommended for cost-effective vaccine production, by optimizing the minimal antigen quantity in the vaccine formulation.



Specifications :

Appearance	Yellow to Brown
Moisture Content	1% Max
Oil to Aqueous phase Ratio	50:50 wt./wt.
Type of Emulsion with Water	W/O milky-white
Conductivity of Emulsion	< 5 µS
Globule Size	< 5 µm
Density @ 25° C	0.82-0.87 g/cc

Chemical Components :

Its pharmacological class is EXCIPIENT
MUKTAVAC 50 is adjuvant composition based on high purity Oleic Acid Ester emulsifiers in light liquid paraffin. Its components are pharmacopoeia compliant.

Storage :

Should be stored in polypropylene(PP) / High Density Polyethylene (HDPE) / Carbon Steel containers and preferably , away from direct sunlight at ambient temperature

Shelf Life :

3 years at recommended storage conditions

Application :

Primarily for Cattle, Small Ruminants
Recommended for Inactivated vaccines