

# MUKTAVAC® 70

**MUKTAVAC 70** 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 - 70 : 30 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 70 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 70 adjuvanted antigens ensures very strong, uniform and long duration immune response.

MUKTAVAC 70 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 :**

<b>Appearance</b>	Yellow to Brown
<b>Moisture Content</b>	1% Max
<b>Oil to Aqueous Phase Ratio</b>	70:30 wt./wt.
<b>Type of Emulsion with Water</b>	W/O milky-white
<b>Conductivity of Emulsion</b>	< 5 µS
<b>Globule Size</b>	< 5 µm
<b>Density @ 25° C</b>	0.82-0.87 g/cc
<b>Product Viscosity @ 30° C</b>	8 to 17 cps

## **Chemical Components :**

Its pharmacological class is EXCIPIENT

MUKTAVAC 70 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 **Bovine, Ovine, Poultry**  
Recommended for Inactivated vaccines

