

# MUKTAVAC® 250

**MUKTAVAC 250** is the specially developed light liquid paraffin based - ready to use - adjuvant for making W/O/W- type emulsion with immunogenic antigens, based on oil : aqueous - 50 : 50 Wt / Wt basis.

Water-in-oil-in-water (W/O/W) emulsions are emulsion types where small aqueous-antigens are entrapped within oil droplets that in turn are dispersed in a continuous aqueous-antigen phase.

MUKTAVAC 250 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 250 adjuvanted antigens ensures very strong, uniform and long duration immune response

MUKTAVAC 250 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.

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## Specifications :

<b>Appearance</b>	Yellow to Brown
<b>Moisture Content</b>	1% Max
<b>Oil to Aqueous phase Ratio</b>	50:50 wt./wt.
<b>Type of Emulsion with Water</b>	W/O milky-white
<b>Conductivity of Emulsion</b>	> 10 $\mu$ S
<b>Globule Size</b>	< 10 $\mu$ m
<b>Density @ 25° C</b>	0.82-0.87 g/cc



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## Chemical Components :

Its pharmacological class is EXCIPIENT  
MUKTAVAC 250 is adjuvant composition based on high purity Oleic Acid Ester emulsifiers in light liquid paraffin. Its components are pharmacopoeia compliant.

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## Storage :

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

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## Shelf Life :

3 years at recommended storage conditions

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## Application :

Recommended for Inactivated vaccines

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