

Yellow Fever Vaccination Centre

Days	: Monday, Wednesday, Friday
Timings Of Vaccination	: 2-4 pm
Pre-registration Form	: Desirable (Registration Form needs to be filled on site)
Cost of the Vaccine	: Rs 300/per dose
Mandatory Requirement	: Original passport (Individuals above the age of 60 yrs are also required to produce a medical certificate of fitness for Yellow Fever Vaccination)

YELLOW FEVER VACCINE

Yellow Fever Vaccine is an attenuated, live-virus preparation of the 17D strain of yellow fever virus grown in leucosis-free chick embryos. A single dose correctly given confers immunity in basically 100% of recipients. Protective immunity is achieved only after 10 days of yellow fever vaccination and persists for at least 10 years. This vaccine is given as a single injection given subcutaneously. Yellow fever Vaccination Certificate becomes valid only after 10 days of vaccination.

2.1 Vaccine summary

Type of vaccine	Live viral
Number of doses	One dose of 0.5 ml subcutaneously
Route of Administration	Sub-cutaneous
Schedule	Can be given at nine months of age
Booster	Not required (as per GOI order No L-21021/52/2013-PH(IH) dated 30/08/2017)
Contraindications	Egg allergy; immune deficiency from medication or disease; symptomatic HIV infection; hypersensitivity to previous dose; pregnancy
Adverse reactions	

Special precautions	Hypersensitivity to egg; rarely, encephalitis in the very young; hepatic failure. Rare reports of death from massive organ failure.
Storage temperature	Do not give before six months of age; avoid during pregnancy +2 to +8 degrees centigrade

Source: WHO

2.2 SIDE EFFECTS

Severe or serious adverse reactions to 17D vaccine are extremely rare. Post-vaccinal encephalitis (due to invasion of the brain by the vaccine virus) has long been recognized as a rare complication related to use of the vaccine in very young infants. 18 of the 21 reported encephalitis cases were in children, of whom 16 were under 7 months. Virus recovered from the brain of the single reported fatal case contained two amino acid changes in the E gene and exhibited increased neuro-virulence in animals. It is unknown whether the other cases were due to mutations in the vaccine virus. Anaphylactic reactions to yellow fever vaccine occur at a frequency of approximately 1/58000 and may be due to sensitivity to gelatin used to stabilise the vaccine.

1. Mild Side Effects of Vaccination

- I. Yellow fever vaccine has been associated with fever and with aches, soreness, redness or swelling where the shot was given. These problems occur in up to 1 person out of 4. They usually begin soon after the shot, and can last up to a week.
- II. Most people will get a slight sore arm
- III. 2-10% may feel tired, headache, muscle aches, fever for 24 hours starting 3-9 days after the vaccine
- IV. 1% need to curtail regular activities

2. More Serious Side Effects of Vaccination

- I. The risk of a vaccine causing serious harm, or death, is extremely low.

- II. Severe allergic reaction to a vaccine component (about 1 person in 58,000).
- III. Severe nervous system reaction (about 1 person in 125,000).
- IV. Life-threatening severe illness with organ failure (about 1 person in 250,000). More than half the people who suffer this side effect die. These last two problems have never been reported after a booster dose.
- V. 1 in 130,000 will get immediate hypersensitivity – rash, itching faint or asthma – this is why you need to wait 30 minutes in the clinic
- VI. 0.09-2.5 per million will get inflammation of multiple organs e.g. lungs, kidney, liver, spleen, skin, blood stream
- VII. 1 in 8 million will get encephalitis (Inflammation of the brain)

For details please refer to : <http://www.ihrpoe.co.in/yellow-fever-pro.php>

Source ⁱ

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