

Influenza Vaccine (Split virion, Inactivated

[Description]

GC FLU is vial containing colorless or slighty whitish liquid made by spliting and inactivating influenza virus cultured by inoculating in the allantoic cavity of embryonated egg in order to maintain antigenicity. Influenza virus antigen is inactivated with formaldehyde and this vaccine complies with the WHO recommendations for the 2021 Season.

Prophylaxis against Influenza [DOSAGE & ADMINISTRATION]

- An intramuscular injection of the following doses and immunization of one dose is necessary in every year at same volume
- l) 6 months ~ 35 months old : A single dose 0.25mL intramuscular injection 2) 3 ~ 8 years old : A single dose of 0.5mL intramuscular injection
- 9 years and older: A single dose of 0.5mL intramuscular injection.

The children younger than 9 years of age who have not been vaccinated or have not been infected by influenza should be vaccinated two doses at an interval of at

[Composition]

1 vial 0.5mL contains

Active Ingredient : Purified Inactive Influenza Virus Antigen		
Purified Inactive Influenza Virus Antigen	45	5 μg
Purified Inactive Influenza Virus Antigen Type A IA/Victoria/2570/2019 IVR-215(H1N1)	. 15	วาบด
Purified Inactive Influenza Virus Antigen Type A A/Hong Kong/2671/2019 NIB-121(H3N2)] Purified Inactive Influenza Virus Antigen Type B B/Washington/02/2019] Sodium chloride	. 15	วิ นอ
Purified Inactive Influenza Virus Antigen Type B B/Washington/02/20191	- 18	วิ เมด
Sodium chloride	. 4	ma
Potassium chloride		
Disodium hydrogen phosphate dihydrate		
Potassium dihydrogen phosphate		
Water for injection	/· '	

[PRECAUTIONS FOR USE]

- Examine vaccinee by history taking and visual inspection and if necessary, by auscultation and percussion. Then, vaccination is prohibited when vaccinee is diagnosed as one of the following cases
-) Person who showed anaphylaxis by the components of GC FLU.
- 2) Person with hypersensitivity to egg, chicken, any other chicken component, and GC FLU component.

 3) Person who showed the symptom of convulsion within 1 year before vaccination.
- Person who showed Guillain-Barre syndrome within 6 weeks from the previous influenza vaccination or person with neurological disorders.

2. Take special care

- Please consult with your doctor, if you or your child are not expected to achieve targeted immune response after vaccination because of being treated with medicines affecting immune system or having immunodeficiency.
- The doctor will decide whether vaccination of your child is proper or not.

Please inform your doctor, in case you or your child are planning to have a blood test during the next few days after vaccination because the vaccination may results in false positive blood test results in few cases. The vaccination does not mean full protection to vaccinee from virus infection like other vaccines.

3. Adverse reactions

-) There is the possibility of local reactions such as redness, swelling and pain, or systemic reactions such as fever, rigor, headache, fatigue and vomiting. But
- they usually disappear within 2-3 days.
 2) Encephalomyelitis: In rare cases, acute diffuse encephalomyelitis (ADEM) may occur. Fever, headache, convulsions, dyskinesia and consciousness disorder usually occur within 2 weeks following the administration of the vaccine. When these symptoms are suspected, appropriate medical treatment should be available by diagnosis with MRI and so on.
- Allergic reaction or anaphylactic shock may occur in very rare cases.
- 4) Transient disorders of systemic and local nervous system may rarely occur. And palsy, neuralgia, cerebral hemorrhage or inflammation of the nervous system (ex. Guillain-Barre syndrome) have been reported.
- 5) Safety of GC FLU was evaluated regarding 226 children (6 months ~ under 18 years), 803 adults(18 years ~ under 60 years) and 173 elderly (60 years or more), and the adverse events are as follows :
- R49 out of 1,202 subjects (70.63%) showed adverse events; Children 74.78%, adults 74.10% and elderly 49.13%. Most of them were solicited adverse events(8.6,55%), and unsolicited adverse events were of 139 subjects (11.56%). Drug related adverse events were of 48 subjects (3.99%).

 ① Adverse events which were collected for 6 days after vaccination are listed as below table.

		All subjects(N=1,202)		Children (N=226)		Adults (N=803)		Elderly (N=173)	
		Total	Moderate and Severe	Total	Moderate and Severe	Total	Moderate and Severe	Total	Moderate and Severe
	Pain	46.9%	0.5%	50.0%	1.3%	50.6%	0.4%	26.0%	0.0%
Local		52.3%	1.2%	52.7%	2.2%	57.8%	1.0%	26.6%	1.2%
Adverse events	Erythema/ Redness	11.3%	2.6%	26.1%	7.1%	7.6%	1.5%	9.3%	1.7%
	Induration/ Swelling,	4.5%	1.0%	11.5%	3.1%	2.9%	0.6%	2.9%	0.0%
	Fever	0.8%	0.3%	3.1%	1.3%	0.1%	0.0%	0.6%	0.6%
	Headache	17.6%	1.9%	9.7%	1.8%	20.7%	2.4%	13.3%	0.0%
Systemic	Malaise	10.8%	1.1%	9.3%	0.9%	12.3%	1.3%	5.8%	0.6%
Ádverse	Shivering	8.8%	1.1%	5.8%	0.9%	10.0%	1.3%	7.5%	0.6%
events	Fatigue	22.9%	2.1%	19.0%	1.3%	25.9%	2.2%	13.9%	2.3%
	Sweating	6.3%	0.8%	6.2%	0.9%	6.2%	1.0%	6.9%	0.0%
	Myalgia	17.5%	1.8%	13.7%	2.7%	20.2%	1.9%	9.8%	0.6%
	Arthralgia	4.1%	0.3%	3.1%	0.0%	4.1%	0.4%	5.2%	0.6%

- 2 Serious adverse events were reported 5 subjects. Except for 1 case(convulsion), the rest were evaluated as 'not related' (acute convulsive abdominal pain: 1 case, atelectasis: 1 case), or 'possibly not related '(gastroenteritis: 2 cases, bronchitis: 1 case).

 3) Adverse events were collected for 21 days after vaccination, and they were reported 139 subjects/11.56%) among 1.202 subjects. The most frequent
- events were respiratory adverse events(64 subjects, 5.32%), and all subjects who had experienced adverse events were recovered without sequela. Adverse events of which relativity can not be excluded from GC FLU were 48 subjects (3.99%) as follows; (Occasionally: 0.1% ~< 5%, Rare: < 0.1%)
- Occasionally: Coryza, Rhinorrhoea, Throat sore, Pharyngitis, Rhinitis / Rare: Upper Respiratory tract infection, coughing, Bronchitis Gastro-Intestinal System

- "Gastrichtestinal System
 Rare: Gastroenteritis, vomiting, Diarrhoea, Nausea,
 "Central & Peripheral Nervous System
 Occasionally: Dizziness / Rare: Cramps legs, Migraine, Muscle contractions involuntary

Skin & Appendages
Occasionally: Pruritus / Rare: Urticaria

Bare: Abnormal sensation in eve. Asthenonia Metabolic and Nutritional disorder

White Cell and Rest Disorders Bare: WBC abnormal nos Psychiatric Disorders

Local and systemic adverse events

Occasionally: Injection site pruritus, Swelling and Pruritus / Rare: Injection site erythema, Syncope, Fatique, Pallor

4. General precautions

-) Advise the vaccinee or their guardians that the vaccinee should keep equilibrium, keep the injection site clean, and when the symptoms of high fever,
- convulsion appear, they should consult a physician immediately.

 2) Antibody reaction can not be sufficient in endogenous or latrogenic immune deficient patients.
- 3) Influenza should be vaccinated before prevailing. Vaccination can be delayed according to epidemiological situation.
- 4) Influenza should be vaccinated with the influenza vaccines produced with current-year-recommended strains.

5. Interaction with other medicinal products

- There is no data or study on co-administration of GC FLU with other vaccines. If co-administration is inevitably required, injection site should be different. It should be noted that the adverse events may be increased.
- 2) Immunization can be affected by concomitant immunosuppressive therapy or an existing immunodeficiency.

 3) False positive ELISA serologic tests for HIV-1, Hepatitis C, and especially HTLV-1 may occur following influenza vaccination. These transient false-positive results may be due to cross-reactive IgM elicited by the vaccine.
- 4) Advise the vaccinee or their guardians that the vaccinee should keep equilibrium, keep the injection site clean, and when the symptoms of high fever, convulsion appear, they should consult a physician immediately.
- 5) Following medicinal products may cause interaction with GC FLU
- Medicinal products in order to control epilepsy or paroxysmal (Phenytoin, carbamazepine, Phenobarbitone) 2 Theophylline 3 Warfarin
- 🕽 Immune globulin 🖫 Immune inhibitory agents (corticosteroid, Cyclosporine, anticancer drug(including radiation therapy) etc.)

6. Administration for pregnant or lactating woman

For pregnant women or women considered to be pregnant, please inform this to your doctor or pharmacist before vaccination. The vaccination is acceptable during period of pregnancy. Relatively larger safety data are obtained from second and third trimester of pregnancy to that of first trimester, and data collected from worldwide shows that fetus and pregnant mother did not experienced any adverse reaction caused by vaccination. The vaccination during the breast-feeding may be acceptable. Your doctor or pharmacist will be able to decide whether the vaccination is recommendable for you. Please consult with by our doctor or pharmacist before vaccination. WHO recommends "For countries considering the initiation or expansion of programmes for seasonal influenza vaccination, pregnant women a substantial results of seasonal influenza vaccination, pregnant women should have the highest priority. Pregnant women should be vaccinated with TNI at any stage of pregnancy. This recommendation is because in this group and evidence of a substantial risk of severe disease in this group and evidence of all influenza vaccina linfluenza vaccina linfluenza vaccina linfluenza vaccina influenza vaccina influenza vaccina influenza vaccina influenza vaccina vaccination or expansion of programmes for seasonal influenza vaccination. effective in preventing influenza in the women as well as in their young infants, in whom the disease burden is also high. (WHO Weekly Epidemiological Record, 23 November 2012, 87th year, No. 47, 2012, 474)
7. Precautions in administration

- Before use check this product visually for particles or discoloration. If either is present, do not use.
- 2) The injection site is usually lateral upper arm and disinfected with ethanol or incture of iodine. Repeated injections at the same site should be avoided.

 3) Intravenous administration is prohibited. 4) The tip of needle should not cenetrate blood vessel. 5) Do not mix with other vaccines in same syringe.
- In case of administration to children aged 6 to 35 months by taking 0,25mL of this vaccine, the vial containing the remainder must be immediately discarded.

8. Precautions in Handling

-) Do not use if the vaccine has been frozen. 2) The vaccine should be shaken well and mixed homogeneously before use.
- ne product should be used immediately once opened.

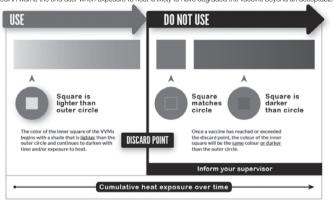
e used strain and unit are included in this leaflet

10. storage Store at 2~8 °C without freezing in hermetic container and protect from light. / Shelf life: 12 months from the date of manufacture

11. How supplied

0.5mL/vial x In-house packing unit

The Vaccine Vial Monitors (VVM) are on the label of GCFLU inj. attached to the vial body. The color dot which appears on the label of the vial is a VVM. This is a time-temperature sensitive dot that provides an indication of the cumulative heat to which the vial has been exposed. In warns the end user when exposure to heat is likely to have degraded the vaccine beyond an acceptable level.



The interpretation of the WM is simple. Focus on the central square. Its color will change progressively. As long as the color of this square is lighter than the color of the circle, then the vaccine can be used. As soon as the color of the central square is the same color as the circle or of a darker color than the circle, then the vial should be discarded.



75-V501-2

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