

8 December 2009

All Medical Clinics

**MOH CIRCULAR 109/2009  
INFLUENZA A/H1N1 (2009) VACCINES UPDATES**

Approval for children 6 months and above

1. **Panvax®**, **CSL** has now been approved by Health Sciences Authority (HSA) for children aged 6 months and above. The recommended dosing regime by HSA, endorsed by the MOH's Expert Committee on Immunisation, is as follows:

- a. **For children 10 years and above:** Single dose of 0.5 mL (15mcg). This is similar to the current adult dose recommendation
- b. **For children from 3 years to less than 10 years:** Two doses of 0.5 mL (15mcg), given at least 4 weeks apart.
- c. **For children from 6 months to less than 3 years:** Two doses of 0.25 mL (7.5 mcg) given at least 4 weeks apart.

2. An immune response that is expected to be protective against the Influenza A/H1N1 (2009) virus can be generated after 2 weeks of administering the first dose of vaccine. A second dose given at least 4 weeks later is needed in children less than 10 years of age to ensure that immunity is sustained.

3. The current single prefilled 0.5 mL syringe has a mark at the 0.25 mL level and may be used on children from 6 months to less than 3 years old to deliver half the dose. The first half of 0.25 mL should be purged out initially before the remaining half is administered. Under no circumstances should the same single dose syringe be used on more than one child. As the use of prefilled 0.5 mL syringe inevitably leads to vaccine wastage, it is recommended that children who need only 0.25 mL of vaccine should be preferentially vaccinated using the multi-dose vials, if available.

Availability and Cost of single prefilled 0.25 mL syringe

4. Single prefilled **0.25 mL syringes** will be available by end **January 2010**. The cost of a single prefilled 0.25 mL syringe is **\$12.00** (inclusive of GST). Please refer to **Annex A** for an updated comparison of H1N1 vaccines and **Annex B** for the revised Order Form.

5. The terms and conditions including requirements for notification and safety monitoring stated in MOH Circular 105/2009 (dated 29 October 2009) remains valid.

6. For further clarification of this circular, please email us at [moh\\_info@moh.gov.sg](mailto:moh_info@moh.gov.sg)

A handwritten signature in black ink, appearing to be 'K Satku', written over a light grey rectangular background.

PROF K SATKU  
DIRECTOR OF MEDICAL SERVICES

cc CEOs, Singhealth and NHG Polyclinics  
President, Singapore Medical Association  
President, College of Family Physicians, Singapore  
CEO, Health Promotion Board  
CEO, Health Sciences Authority

Vaccine	Panvax ®, CSL	Pandemrix ®, GSK
Composition	Non-adjuvanted	Adjuvanted
Dosing requirement	<p>i) <u>Adults and children 10 years and above: <b>Single dose of 0.5 mL (15 mcg)</b></u></p> <p>ii) <u>Children 3 years to less than 10 years: <b>Two doses of 0.5 mL (15 mcg)</b></u> given at least 4 weeks apart</p> <p>iii) <u>Children 6 months to less than 3 years: <b>Two doses of 0.25 mL (7.5 mcg)</b></u> given at least 4 weeks apart</p>	<u>Adults 18 years of age and above: Single dose of <b>0.5 mL (3.75 mcg)</b></u>
Constitution	Single multi-dose vial of 5 mls. Each vial contains sufficient volume for 10 doses. Each dose will equal to 0.5 mL.	Each reconstituted vial of Antigen and Adjuvant contains sufficient volume for 10 doses. Each dose will equal to 0.5 mL.
	Single dose in a prefilled 0.5 mL or 0.25 mL syringe (available by end Jan 2010)	No single prefilled syringe available
Packaging	10 vials per box	1 vial of Antigen and 1 vial of Adjuvant per box
	1 prefilled syringe per box	Not Applicable
Administration	Each vial of 10 doses must be used within 24 hours. Any remaining unused vaccine must be discarded after 24hrs.	Each vial of antigen and adjuvant must be mixed and reconstituted before administration. Each reconstituted vial of 10 doses must be used within 24 hours. Any remaining unused vaccine must be discarded after 24hrs.
Side-effects	Similar to seasonal flu vaccines	
Cost	\$17.00 (inclusive of GST) <u>per dose of 0.5 mL (mult-dose vial or single prefilled 0.5 mL syringe)</u>	\$17.00 (inclusive of GST) <u>per dose of 0.5 mL</u>
	<b>\$12.00 (inclusive of GST) per single prefilled 0.25 mL syringe.</b>	
Storage conditions	H1N1 vaccines should be stored and protected from light, at <b>+2°C to +8°C. DO NOT FREEZE.</b>	
Expiry date	Varies with different batches	



**ZUELLIG PHARMA**  
15 Changi North Way, #01-01, Singapore 498770

## **PANDEMIC VACCINE ORDER FORM (REVISED)**

Name of Organisation/Clinic: \_\_\_\_\_ Customer Code: \_\_\_\_\_

Please indicate if your clinic is a Pandemic Preparedness Clinic (PPC): Yes / No (please circle)

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_ Contact Person: \_\_\_\_\_

### **For the supply of:**

CODE	DESCRIPTION	PRICE per box (before GST)	MINIMUM ORDER QUANTITY	QUANTITY (number of boxes)
998CSL001	<b>PANVAX® , CSL</b> <i>Multi-dose vial (10 doses/vial), 10 vials per box</i>	\$1,588.00	1 box	
998CSL002	<b>PANVAX® , CSL</b> <i>Single-dose prefilled 0.5 mL syringe, 1 syringe per box</i>	\$15.88	Multiples of 10 boxes	
998CSL003	<b>PANVAX® , CSL</b> <i>Single-dose prefilled 0.25 mL syringe, 1 syringe per box (available end Jan 2010)</i>	\$11.21	Multiples of 10 boxes	
998GSK001	<b>PANDEMRIX® , GSK</b> <i>Multi-dose vial (10 doses/vial), 1 vial of antigen &amp; 1 vial of adjuvant per box</i>	\$158.80	1 box	

### **Approved by:**

Signature: \_\_\_\_\_ Name: \_\_\_\_\_

Date: \_\_\_\_\_ MCR No: \_\_\_\_\_

- Please **FAX** completed form to **Customer Service Fax: 1800-546-9088**  
**or CALL Order Hotline: 1800-546-9188**
- **All Goods are non-returnable**
- Allocation of vaccines will be on a first-come-first serve basis
- The following surcharge is applicable for delivery of allocated vaccines:
  - Surcharge for urgent delivery (4 hours) @\$30/order
  - Surcharge for Scheduled delivery outside office hour @\$30/order
  - Surcharge for urgent request for stock outside office hour @\$200/order (hotline: 6548 1758/ 1759)
 (NB: Office hour refers to 8.30am to 5.30pm Monday to Friday, exclude Saturdays, Sundays & Public Holidays)

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*For Zuellig Pharma Use*

Dear Customer,  
Thank you for your order. Your order has been processed and we will inform you of the expected delivery date.

Your Order Number is: \_\_\_\_\_ Date: \_\_\_\_\_