

## Summary of status of development and availability of A(H9N2) candidate vaccine viruses and potency testing reagents

26 September 2019

### Candidate vaccine viruses

Antigenic prototype	Clade	Candidate vaccine virus	Type of virus or reassortant	Developing institute	Available from
A/Hong Kong/1073/99	G1	Wild type virus			NIBSC, UK
A/chicken/Hong Kong/G9/97	Y280/G9	Wild type virus			WHO CCs
		NIBRG-91*	Reverse genetics	NIBSC, UK	NIBSC, UK
		IBCDC-2*	Classical reassortant	CDC, USA	CDC, USA
A/Hong Kong/33982/2009	G1	Wild type virus			WHO CCs
		IBCDC-RG26*	Reverse genetics	CDC, USA	CDC, USA
A/Bangladesh/994/2011	G1	Wild type virus			WHO CCs
		IDCDC-RG31*	Reverse genetics	CDC, USA	CDC, USA
A/Hong Kong/308/2014	Y280/G9	Wild type virus			WHO CCs
		SJ008*	Reverse genetics	SJCRH, USA	SJCRH, USA

\* These viruses are candidate vaccine viruses which have passed relevant safety testing. They can be handled under BSL-2 enhanced containment<sup>1</sup>.

<sup>1</sup> <http://www.who.int/biologicals/publications/trs/areas/vaccines/influenza/Annex%205%20human%20pandemic%20influenza.pdf?ua=1>

## Candidate vaccine viruses in preparation

Antigenic prototype	Clade	Developing Institute	Available from
A/Anhui-Lujiang/39/2018	Y280/G9	CCDC, China	Pending

## Reference antigens (freeze-dried)

Parent virus	Starting Materials		Ref Ag / Lot number	Unitage (µgHA/mL)	Available from
	CVV	Egg or Cell			
A/chicken/Hong Kong/G9/97	NIBRG-91	Egg	08/228	84 ug/ml	NIBSC, UK
A/Hong Kong/1073/99	Wild-type	Egg	08/208	To be announced	NIBSC, UK

## Sheep antisera

Purified HA from		Order Lot number	Available from
Parent virus	Egg or Cell		
A/Hong Kong/1073/99	Egg	07/146	NIBSC, UK
	Egg	10/214 <sup>s</sup>	NIBSC, UK
A/chicken/Hong Kong/G9/97	Egg	08/202	NIBSC, UK

<sup>s</sup> Anti NA serum for tests of neuraminidase identification

## Institutes and contact details for candidate vaccine virus orders and other information:

CDC: [dwentworth@cdc.gov](mailto:dwentworth@cdc.gov) (Subject: CVV request)

CCDC: [whocc-china@cnic.org.cn](mailto:whocc-china@cnic.org.cn)

NIBSC: [standards@nibsc.org](mailto:standards@nibsc.org) or [enquiries@nibsc.org](mailto:enquiries@nibsc.org)

SJCRH: [richard.webby@stjude.org](mailto:richard.webby@stjude.org)

WHO CCs: [http://www.who.int/influenza/gisrs\\_laboratory/collaborating\\_centres/list/en/](http://www.who.int/influenza/gisrs_laboratory/collaborating_centres/list/en/)

For general enquiries, please contact [gisrs-whohq@who.int](mailto:gisrs-whohq@who.int)

For information of other type and subtype candidate vaccine viruses and potency testing reagents, please go to: <http://www.who.int/influenza/vaccines/virus/en/>