## Certificate of Analysis for NR-20083

## Influenza A (H1N1) 2009 Monovalent Vaccine

## Catalog No. NR-20083

This reagent is the property of the U.S. Government.
Product Description: Influenza A (H1N1) 2009 (pdm09) Monovalent Vaccine is a subunit (purified surface antigen) influenza virus vaccine prepared from A/California/7/2009 (H1N1)pdm09like virus propagated in the allantoic cavity of embryonated chicken eggs.

## Lot: ${ }^{1} 1021205 P$ <br> Manufacturing Date: 2009

| TEST | SPECIFICATIONS | RESULTS |
| :--- | :--- | :--- |
| Appearance | Report results | Slightly opalescent liquid |
| Hemagglutinin Content <br> A/California/7/2009 (H1N1)pdm09-like virus | $15 \mu \mathrm{~g}$ |  |
| Hemagglutinin Concentration |  | $15 \mu \mathrm{~g}$ |
| A/California/7/2009 (H1N1)pdm09-like virus | $30 \mu \mathrm{~g} \mathrm{per} \mathrm{mL}$ |  |
| Residual Components |  | $30 \mu \mathrm{~g} \mathrm{per} \mathrm{mL}$ |
| Thimerosal | $\leq 1 \mu \mathrm{~g} \mathrm{mercury}$ |  |
| Egg proteins | $\leq 1 \mu \mathrm{govalbumin}$ | $\leq 1 \mu \mathrm{~g}$ mercury |
| Polymyxin | $\leq 3.75 \mu \mathrm{~g}$ | $\leq 1 \mu \mathrm{~g} \mathrm{ovalbumin}$ |
| Neomycin | $\leq 2.5 \mu \mathrm{~g}$ | $\leq 3.75 \mu \mathrm{~g}$ |
| Betapropiolactone | $\leq 0.5 \mu \mathrm{~g}$ | $\leq 2.5 \mu \mathrm{~g}$ |
| Nonylphenol ethoxylate | $\leq 0.015 \% \mathrm{w} / \mathrm{v}$ | $\leq 0.5 \mu \mathrm{~g}$ |
| 'NR-20083 contains a pre-filled 0.5 mL syringe |  | $\leq 0.015 \% \mathrm{w} / \mathrm{v}$ |

${ }^{1}$ NR-20083 contains a pre-filled 0.5 mL syringe.

Date: 09 MAY 2013


Title: Technical Manager, BEI Authentication or designee
ATCC ${ }^{\circledR}$, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the manufacturer to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC ${ }^{\circledR}$ 's knowledge.

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