

Anthrax Protective Antigen (PA), Recombinant from *Bacillus anthracis*

Catalog No. NR-36208

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Product Description: Recombinant anthrax protective antigen (PA) was produced in a non-sporulating avirulent strain of *Bacillus anthracis* lacking both of the wild type plasmids, pX01 and pX02. Recombinant PA was purified using conventional chromatographic techniques. The resulting purified protein lacks all other anthrax virulence factors.

Lot: 17115A6A

Manufacturing Date: 24JUN2012

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue Densitometer Scan)	~80–90 kDa band is > 90% of total density	~80–90 kDa band is > 90% of total density
Functional Activity Cytotoxicity assay [determination of effective concentration (EC ₅₀) by titration of PA in J774A.1 macrophage cell line]	Expected toxicity observed	Expected toxicity observed
Endotoxin Content (Limulus Amoebocyte Lysate Assay)¹	Report results	< 0.01 EU endotoxin per µg protein

¹Performed by LAL Testing Service, Cambrex BioScience

Date: 18 SEP 2012

Signature: 

Title: Technical Manager, BEI Authentication or designee

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