Aureobasidin A

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Catalog No(s.)        Amount        Lot Number
630466                1 mg          Specified on product label.
630499                10 mg         Specified on product label.

Description
Aureobasidin A (AbA) is a cyclic depsipeptide antibiotic, isolated from the filamentous fungus Aureobasidium pullulans R106, which is toxic to yeast at low concentrations (0.1–0.5 µg/ml). Sensitive species include Saccharomyces cerevisiae, Schizosaccharomyces pombe, Candida glabrata, Aspergillus nidulans and A. niger. AbA inhibits a yeast enzyme, inositol phosphorylceramide (IPC) synthase, which is expressed from the AUR1 gene (1, 2). Expression of a mutant gene, AUR1-C, in transformed yeast confers resistance to the drug.

Package Contents
- 1 mg Aureobasidin (Cat. No. 630466)
- 10 mg Aureobasidin (Cat. No. 630499)

Storage Conditions
- Dry: store at room temperature
- Solutions in alcohol: Store at 4°C

Shelf Life
- 1 year from date of receipt under proper storage conditions.

Shipping Conditions
- Domestic: Room temperature
- International: Room temperature

Molecular Weight
- 1,100 Da

Instructions for Use
To make a stock solution, dissolve the contents of the vial in absolute ethanol or methanol to a concentration of 0.5–5.0 mg/ml. AbA solutions should be stored at 4°C. AbA is insoluble in water.
Certificate of Analysis

Aureobasidin A

Product User Manuals
User manuals for Clontech products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals).
The following user manuals apply to this product:
- Matchmaker™ Gold Yeast Two-Hybrid System User Manual (PT4084-1)
- Matchmaker™ Gold Yeast One-Hybrid Library Screening System User Manual (PT4087-1)
- Clontech Yeast Media Protocol (PT4057-2)

References

Quality Control Data

- **Purity:**
  The purity of Aureobasidin A was determined by HPLC analysis to be ≥95%.

- **Functional assay:**
  The minimum inhibitory concentration (MIC) was determined by testing the viability of control yeast strains on media containing serial dilutions of Aureobasidin A. The expected MIC was observed.

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This document has been reviewed and approved by the Clontech Quality Assurance Department.