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.
Product User Manuals
User manuals for Clontech products are available for download at 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.