

# DATASHEET

For in vitro research only.  
Not for diagnostic or clinical use.

## Aluminium Heat Sealing Tape

100 sheets

Cat. No. 317100

## BIOVENDIS

Biovendis Products GmbH  
Joseph-Meyer-Str . 13-15  
68167 Mannheim

Tel. + 49 - 621 - 43 00 52 52  
Fax + 49 - 621 - 43 00 52 50  
E-Mail [info@biovendis.de](mailto:info@biovendis.de)

### PRODUCT

Aluminium Heat Sealing Tape

### ORDERING INFORMATION

Cat. No. 317100 - Aluminium Heat Sealing Tape

### PLATE MATERIAL

Polypropylene (PP), Polyethylene (PE)

### SEALING CONDITIONS

***Seal with the white side uppermost!!!***

2-4 seconds;

2 seconds at 174 °C to 178 °C

1,5 – 2,5 seconds at 165 °C to 170 °C.

Use the settings in the lower end of the range for 384-well plates.

### SEAL INTEGRITY RANGE

-200 °C to 90 °C;

During PCR these seals can withstand higher temperatures (> 120°C) provided adequate support/pressure is applied by the thermal cycler heated lid.

### DESCRIPTION

Suitable for storage and PCR with screw down heated lid thermal cyclers.

Forms a weld seal with polyethylene plates and cannot be peeled.

Peelable tape that may be easily removed by hand with polypropylene plates.

Seals may be removed straight from a -80°C environment.

Only piercable with a pierce plate or pierce machine.

The seal can be applied, removed and a new seal applied several times.

### STORAGE WITH DMSO - IMPORTANT NOTICE

DMSO (dimethyl sulphoxide) is a highly invasive solvent and its containment and storage is a serious issue. We recommend that plates containing DMSO should be stored at +4 °C or below when used with the Aluminium Heat Sealing Tape. If you want to store plates at higher temperatures you should first do tests to access the suitability of the seal. Exposure of the tape to DMSO at room temperature for longer than one week may cause de-lamination of the sealing material when the seal is peeled off.

### STORAGE

Seals should be stored in a cool, dry place. Avoid direct exposure to sunlight. It is recommended to use seals within one year from date of purchase.

### SEAL THICKNESS

70 µm