

Technical Data Sheet

Doc No–Ab/TDS/Cryo-42

Rev No: 02

TECHNICAL DATA SHEET

Abdos Labtech Pvt. Ltd.

FROSTY MATE™ Freezer Colour Change Racks, PP

Valid for Catalog No. P11106, P11107

1. Description/Specification

1.1 Description: Freezer Colour Change Racks, PP - **FROSTY MATE™**

1.1.1 These racks maintain Temperature of less than 4°C for almost 3.5 hours (with lid on rack) at room temperature.

1.1.2 The plastic changes colour to enable the user to see how cold or hot the sample is.

1.1.3 These racks have a dramatic change in colour at 7°C.

1.2 Design: Rectangular Box with Transparent Lid.

1.3 Performance Specification:

1.3.1 **P11106 - MCT Freezer Change Rack**

Colour: Colour at cold temperature- **Green** & Warm temperature- **Yellow**.

Capacity: 0.5, 1.5-2 Micro tube. Adaptor for using 0.5ml Micro tube.

Places: 24 (6x4 Array)

1.3.2 **P11107 – PCR Freezer Change Rack.**

Colour: Colour at cold temperature- **Green** & Warm temperature- **Yellow**.

Capacity: PCR tubes, 96 well plates & strips tubes.

Places: 96 (12x8 Array)

1.4 Material:

1.4.1 Polypropylene (PP)

1.4.2 Comply with requirement of Directive 2002/72/EC and requirement of FDA Regulation 21 CFR 177.1520. olefin polymers.



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1.4.3 Complies with the requirement of Indian Standard IS: 10910 on “Specification for Polypropylene and its copolymer for its safe use in contact with food stuffs, Pharmaceutical and Drinking water”

1.4.4 Free from heavy metals according to ELV directive 2000/53/EC and its following amendments.

1.5 Color: Colour at cold temperature- **Green** & Warm temperature- **Yellow**.

1.6 Sterilization: Can be autoclaved at 15 Psi, 121 °C for 15 minutes

1.7 Quality control:

Testing of various characteristic in accordance with the valid Specification

1.8 other Information:

Reusable, can be autoclaved up to 10 autoclave cycle.

1.9. Basic Features

1.9.1 Made up of High purity Virgin Polypropylene (PP)

1.9.2 Performance: These racks maintain Temperature of less than 4°C for almost 3.5 hours (with lid on rack) at room temperature.

1.9.3 These racks have a dramatic change in colour at 7°C.

1.9.4 Temperature range: -20°C to +121°C

1.9.5 Autoclavability: Yes, Autoclavable at 15 psi and 121°C for 20 minutes.

1.9.6 Chemical resistance: See website.

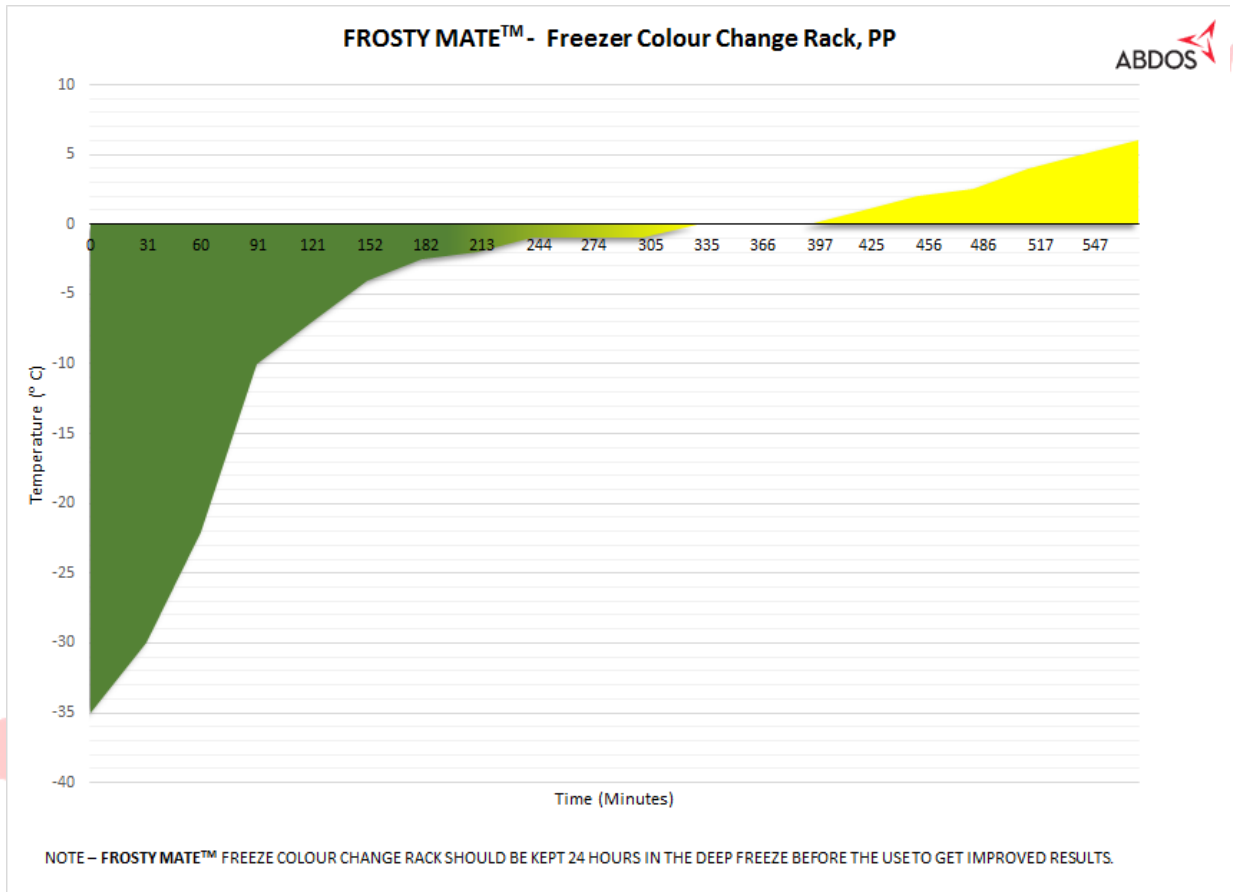
Autoclaving Guideline for Plastics

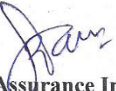
All plastic consumables are autoclavable at 121°C for 20 minutes, 15 psi/1atm. Do not use a dry cycle as this may cause deformation or weakening of the plastic. Allow temperature within the autoclave to return to at least 50°C before removing product.


NOTE:- FROSTY MATE™ Freezer Colour Change Rack should be kept 24 hours in the deep freeze before the use to get improved result.



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Quality Assurance Incharge
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