

Thermanox™ Coverslips Product No 26025-26031

Thermanox™ coverslips, are made of a polymer that is highly resistant to most chemicals. Thermanox™ is resistant to alcohols, aldehydes, hydro carbons, dilute acids (<10%) and dilute alkalis (<2%). Thermanox has limited resistance to chlorinated hydrocarbons, however, it is not resistant to concentrated acids or bases. It is a flexible, transparent polymer that can be sectioned using a microtome and is able to withstand high temperatures (-70°C to + 150°C).

Thermanox™ Coverslips are available in two formats,

Rectangular:

10.5 x 22 mm (Product No. 26025)

22 x 60 mm (Product No. 26026)

24 x 30 mm (Product No. 26027)

Round:

13 mm diameter (Product No. 26028)

15 mm diameter (Product No. 26029)

22 mm diameter (Product No. 26030)

25 mm diameter (Product No. 26031)

Thermanox™ Coverslips are culture treated on one side for enhanced cell attachment and growth. The treated side is packaged face up toward the label.

The following tables list the chemical resistance for Thermanox™ Coverslips.

Chemicals having no effect on Thermanox™ plastic

1,2-dichloroethane

1,4-dioxane

1-bromonaphthalene

acetone

acetonitrile

ammonium hydroxide (2%)

benzene

butyl cellosolve

carbon tetrachloride

cellosolve

cellosolve acetate

chloroform

cyclohexane

cyclohexanol

cyclohexanone

diacetone alcohol

diethylene glycol

diethylenetriamine

dimethylsulfoxide

ethanol

ethanolamine

ethyl acetate

ethyl alcohol

ethylene glycol

ethylene glycol

monomethyl ether acetate

formamide

glacial acetic acid

glycerol

heptane

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hexyl alcohol
hydrochloric acid (10%)
isobutyl alcohol
isopropanol
isopropyl acetate
isopropyl alcohol
methanol
methyl alcohol
methyl ethyl ketone
methyl isoamyl ketone
methyl isobutyl ketone

n-heptane
nitric acid (10%)
n-butyl alcohol
n-propyl alcohol
sec-butyl alcohol
sodium hydroxide (2%)
sulfuric acid (20%)
tetrahydrofuran
toluene
trichloroethylene
xylene

Chemicals that attack Thermanox™ plastic

1,1,2,2-tetrachloroethane
acetic acid
acetic anhydride
acetone
ammonium hydroxide (10%)
benzene
carbon tetrachloride
chloroform
dichloroacetic acid
dimethylformamide
ethyl acetate
ethylenediamine
hexafluoroisopropanol
hydrochloric acid (conc.)
methyl cellosolve
methyl cellosolve acetate
methyl ethyl ketone
methyl n-amyl ketone
methylene chloride
m-cresol
nitric acid (35%)
n-butyl acetate
n-butylamine
n-propyl acetate
n-propylamine
o-chlorophenol
o-dichlorobenzene
phenol/tetrachloroethane
sodium hydroxide (10%)
sulfuric acid (50%)

tetrahydrofuran
toluene