

Electronic Materials Handling Instructions (-20°C Storage Temperature)

Storage

Syringes and cartridges containing LORD electronic materials are frozen at -20°C immediately after they are manufactured and shipped to the end user in insulated boxes. Upon receipt, material should be immediately transferred to -20°C storage for maximum shelf life.

Do not handle frozen products with bare hands as freeze/thaw voids could result. Use of insulated gloves is recommended when handling frozen syringes.

Syringes and cartridges must be maintained at -20°C in a vertical (upright) position with the dispense tip facing down. Do not store container on its side (horizontally).

Thawing

LORD electronic materials should be used according to the principle of First In, First Out; product that is received first is used first.

Before use on dispensing equipment, allow material to be warmed to room temperature (ideally 20-25°C). Thaw material by placing the container in a vertical (upright) position with dispense tip facing downward in an ambient environment.

Under no circumstances should artificial heat sources be used to increase thaw speed. Do not place the syringe or cartridge in warm water or near any heat source including ovens, hot plates, hot air guns, etc. Thaw time varies by package style and size. Refer to table below for typical thaw times.

Typical Thaw Times	
Packaging	-20° to +25°C
3-10cc syringe	60 minutes
30-55cc syringe	1.5 hours
6 ounce cartridge	2 hours

Do not use material before ambient temperature is achieved. Wipe all excess moisture from the syringe or cartridge prior to use. A small amount of air in the tip area of a syringe is normal. Carefully remove the tip cover and manually extrude a small amount of material, displacing any air that may be in the tip-cap interface.

Cautionary Information

Before using this or any LORD product, refer to the Material Safety Data Sheet (MSDS) and label for safe use and handling instructions.

For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

LORD USER INSTRUCTIONS

Values stated in these instructions represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Support Center.

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