

Terms and Definitions:

Green highlight: suggested values based on recommendations received from expert advice.

Once this file is finalised, the required Terms and definition shall be inserted in respective documents.

Terms and Definitions:

Cold Life :	<p>Cold life for Vaccine Carrier and Vaccine Cold box: The interval of time between the moment the coldest point in the load passes -3°C until the temperature of the warmest point reaches +10°C, at a given ambient temperature (test condition 43°C ambient). The device is initially loaded with IP frozen at -20°C.</p> <p>Cold life for Specimen Carrier: <i>The interval of time between the moment the coldest point in the load passes -20°C until the temperature of the warmest point reaches +4°C, at a given ambient temperature (test condition 43 °C ambient). The device is initially loaded with IP frozen at -20°C. The required cold life for all specimen carrier is 72 hours.</i></p>
Cool Life :	<p>The interval of time between the moment the container is closed, until the temperature of the warmest point reaches +20, or +30?, at a given ambient temperature (test condition 43°C ambient). The device is initially loaded with CP cooled down to +2°C and stabilized at this temperature (for at least 24 hours) At no point in time, the temperatures under test should go below +1°C – whether prior to loading, during loading or thereafter.</p>
CP (Cool Pack)	Water packs or packs filled with other materials capable of change of phase between +2 to +10 C, with its contents at a temperature cooled down to +2 °C or above.
Conditioned ice packs:	Frozen ice packs that have been allowed to warm to the point that melting has begun. The packs contain both ice and water.
Warm packs	water packs or packs filled with other materials capable of change of phase at indoor ambient room temperature (between +16°C and +22°C), used for the transport of freeze sensitive vaccines in sub-zero climates.
Ice Melting rate:	Ratio of cold life over the amount of liquid in the IP. Dimension : Hours/L
IP (Ice Pack):	Packs (PQS # XYZ) with contents frozen below 0°C. Usually hard frozen between -10°C and -20°C for use during transport of OPV or stool specimen.
Pack :	<p>Flat, leak proof, plastic bottle type container which can be filled with water and closed to water tight condition. It can be cooled to temperatures as low as -20°C.</p> <p>The container may also come in sealed condition with a preloaded phase change material (PCM) that changes from liquid to solid phase at</p>

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	temperatures between +2°C & +10°C.
Warm Life:	Number of hours the vaccines can safely be stored inside the device at temperature above 0°C under extreme cold environment of -20°C, using warm packs at +18°C (packs containing water between +16°C & +20°C depending on indoor room temperature).

Robustness Rating :

Rating	Damage to Container	Damage to fittings
1	Heavy damage or pulled off	Hinges and /or catches broken
2*	Easily repairable damage	Hinges and /or catches become undone
3	Superficial damage	Hinges and catches work
4	Slightly marked	
5	Unmarked	

* Desired in most equipment

Note: details of measurements and testing procedures are defined in the type-examination protocol.