

Table 1. Recommendations for pMHC multimer cryopreservation

<b>Task</b>	<b>Recommended values</b>	<b>Comments</b>
Glycerol concentration for cryopreservation	5-10%	Higher concentrations of glycerol may preserve the MHC multimer equally good, but to limit the residual glycerol during T-cell staining we recommend a use of 5-10%
Serum albumin (BSA or HSA) concentration for cryopreservation	0.5%	The effect of this cryoprotector was not individually tested. No effect of residual albumin during T-cell staining is expected as albumin is present under physiological conditions and a common staining buffer constituent
Glycerol concentration during MHC multimer staining	Maximum 2%	Depending on the temperature for MHC multimer staining. A higher residual concentration can be allowed at 4°C.
Period of storage	Stable for at least 6 months	For some complexes and fluorescence labels prolonged storage is feasible
Temperature of cryopreservation	-80°C	No difference was observed between -20°C and -80°C storage
Repeated freeze-thawing cycles	At least 5 cycles	No more than 5 freeze-thawing cycles were tested

*From Hadrup et al, Cytometry A. 2015 Jan;87(1):37-48*