

# Novel Microwave Vitrification Process for Cell and Protein Preservation

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## Technology description

The present invention relates to a vitrified composition which preserves biological materials above cryogenic temperatures.

The present invention relates to a method for preserving biological material comprising the steps of: providing a vitrification solution comprised of the biological material and a vitrification agent where the solution has a temperature in the range from 0.1° C. to 17.9° C.; microwaving the vitrification solution for a first period of time; allowing the vitrification solution to rest for a second period of time; repeating steps b and c until the vitrification solution enters into a glassy state.

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