

PRODUCT: Vitrification Media

LOT#: H1107  
 EXPIRY DATE: 2019-03-01  
 Year / Month / Date

REF: 91171  
 CODE: VT801



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 Quality Assurance  
 2018-11-29

## CERTIFICATE OF ANALYSIS

**Indication for Use:** Vitrification Media is used for  
 vitrification and storage of oocytes and/or embryos.

**Storage:** Store between 2-8 °C.

**Caution:** Federal law restricts this device to sale by or on the order of a physician or practitioner  
 trained in its use.

We certify that products manufactured by Kitazato Corporation have been approved in accordance  
 with current Good Manufacturing Practice (cGMP). The quality of products was tested and evaluated  
 by quality control procedures.

ASSAY	SPECIFICATION	RESULT			
		BS	ES	VS1	VS2
Color	Clear, Particle Free/ Rose Pink	Pass	Pass	Pass	Pass
pH	7.20-7.60	7.43	7.43	7.49	7.49
Osmolarity <sup>1</sup>	BS:240-300	295	2463	5583	5355
	ES:2300-2800 VS:4900-6000				
Endotoxin <sup>2</sup>	< 0.25 EU/mL	<0.006	<0.006	<0.006	<0.006
Sterility <sup>3</sup>	No Microbial Growth	Pass	Pass	Pass	Pass
MEA(One Cell) <sup>4</sup>					
-Control	≥ 80%		100%		
-This Lot	≥ 80%		90.48%		

<sup>1</sup> Osmotic pressure is measured either by osmolarity; with freezing point in mOsm/L or by osmolality;  
 with vapor pressure osmometry in mmol/kg.

<sup>2</sup> Bacteria Endotoxins Test, Photometric Techniques in accordance with the USP, EP and JP

<sup>3</sup> Sterility Tests, Direct Inoculation in accordance with the USP, EP and JP

<sup>4</sup> One cell mouse embryo testing is performed using fresh mouse embryos. Test results indicate the  
 percentage of mouse embryos developing to fully expanded blastocysts after 96 hours in culture  
 medium.