
	Document ID:	TDS-RPL-001-100ML	Version:	006
	Date of Issue:	10-JAN-2025	Approved by:	Dr. Iman Kamranfar
	Review Date:	10-JAN-2027	Signature:	
	Title:	<b>TECHNICAL DATASHEET</b>		

### Papain Solution

Filtration, Treatment	0.1 µm sterile filtered.
Product Code	RPL-001-100ML
Shelf Life	6 months from DOM
Storage Temperature	≤ -15°C
Shipping Temperature	Dry ice

### QC Specifications

Physical and Chemical Analysis	Method	Specifications	Units
Appearance	Visual	Clear, colorless solution	n/a
pH at RT	Electronic pH Meter	6.0 - 7.0	n/a
Osmolality	Osmometer	260 - 320	mOsm/kg
Endotoxin	LAL Kinetic	≤ 2.5	EU/ml
<b>Sterility</b>			
Aerobic Bacteria	Internally Validated	Not detected	n/a
Anaerobic Bacteria	Internally Validated	Not detected	n/a
Fungi (Yeast & Mold)	Internally Validated	Not detected	n/a

### Formulation

Components	CAS number	Concentration (mg/L)
HEPES	7365-45-9	200.00
Potassium Chloride	7447-40-7	200.00
Potassium dihydrogen phosphate	7778-77-0	8000.00
Sodium Chloride	7647-14-5	1150.00
Disodium hydrogen phosphate	7558-79-4	61.25

**Product Use:** This product is not intended for human or animal diagnostic or therapeutic use.  
This product is animal component free.