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APPENDIX

Reagents and buffers for red blood cells isolation and culture

1. Ringer solution

Prepared 1 L

NaCl	125 mM
KCl	5 mM
MgSO ₄ ·7H ₂ O	1 mM
HEPES (N-2-hydroxyethyl sulfuric acid, pH 7.4)	32 mM
CaCl ₂ ·2H ₂ O	1 mM
D-Glucose	5 mM

2. Red blood cell separation medium

2.1 Lymphoprep™ (density 1.077±0.001 g/mL; Axis-Shield Poc AS, Norway): Commercially available in 500 mL sterile bottle. Stored at 4°C

2.2 PBS buffer from NaCl	8 g
KCl	0.2 g
Na ₂ HPO ₄	1.44 g
KH ₂ PO ₄	0.24 g

in 800 ml of distilled H₂O and Adjust the pH to 7.4 with HCl.

Add H₂O to 1 liter. Sterilize by autoclave.

3. Media for Jurkat Cells culture

RPMI 1640 medium with Lglutamine	500 ml
Fetal calf serum	10%
Penicillin	100 U/ml
Streptomycin	100 µg/ml

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