

HANKS BUFFER with 5mM Glucose:

Stock A (for 1000ml)

Hanks Buffer	10X	20X
NaCl	74.25g	148.5g
HEPES(sodium salt)	26.03g	52.06g
HEPES (free acid)	23.83g	47.66g
KCl	4g	8g
Na ₂ HPO ₄	0.47g	0.94g
KH ₂ PO ₄	0.6g	1.2g

Stock B (for 100ml)

CaCl ₂ g*2H ₂ O	1.75g	3.5g
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Stock C (for 100ml)

Glucose, 1M 18.02g/100ml H₂O

For 1000ml of Hanks buffer:

100ml A + 10ml B + 5ml C

FICOLL PREP:

27%	108g Ficoll dissolve in 292ml of Hanks (A+B)
23%	85.2ml of 27% + 14.8ml Hanks
20.5%	76ml of 27% + 24ml of Hanks
11%	40.8ml of 27% + 59.2ml of Hanks

- Let Ficoll (Sigma, F9378) dissolve for 40-60min (use magnetic stirring bar)