

## ***Culture conditions and growth medium for BJNhem19 and BJNhem20***

### ***Cell Line Incubation Conditions***

Temperature (°C): 37 **All manipulations are done on a warm stage at 37 °C.**

Humidity (%RH): 80% - 100%

% CO<sub>2</sub> in air: 5

Culture Vessel (Type):

centre well dish, 35mm tissue culture dish, T25 tissue culture flask

### ***hES cell derivation media and hES growth media***

KO DMEM (Invitrogen)	10829-018	
KO serum (Invitrogen)	10828-028	10% in derivation media 20% in growth media
5%FBS (Hyclone)	SH30070.03	<u>(for derivation media only)</u>
Glutamine (Invitrogen)	25030-081	
NEAA (Invitrogen)	11140-050	
βmercapto ethanol (Invitrogen)	21985-023	
Penstrep	(Invitrogen) 15240-062	
b FGF 8ng/ml	Sigma F0291	
Human LIF	Sigma L5283	20ng/ml (derivation media) 10ng/ml (for growth media)