

Materials List for

# Monitoring Protein-Ligand Interactions in Human Cells by Real-Time Quantitative In-Cell NMR using a High Cell Density Bioreactor

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jove.com/video/62323

## Materials

Name	Company	Catalog Number	Comments
<b>Materials</b>			
Citric acid	Sigma-Aldrich	251275	
D2O	Sigma-Aldrich	453366	
DMEM, high glucose	Life Technologies	10313-021	
DMEM, high glucose, powder	Sigma-Aldrich	D5648	
FBS	Life Technologies	10270	
HCl	Sigma-Aldrich	30721	
L-glutamine (200 mM)	Life Technologies	25030	
Low-gelling agarose, powder	Sigma-Aldrich	A4018	
NaHCO <sub>3</sub> , powder	Carlo Erba	478537	
PBS	Life Technologies	10010	
Penicillin–streptomycin (10,000 U/ml)	Life Technologies	15140-122	
NaOH, pellets	Sigma-Aldrich	30620	
Trypan Blue solution (0.4% (wt/vol))	Sigma-Aldrich	T8154	Hazard statement(s): H350 may cause cancer.
Trypsin–EDTA (0.05% (wt/vol))	Life Technologies	25300-054	
<b>Equipment</b>			
Avance III Spectrometer equipped with a 5 mm CryoProbe	Bruker	n/a	All modern spectrometers and narrow-bore magnets equipped with 5 mm probes are compatible.
InsightMR flow unit	Bruker	n/a	
P-920 pump module from ÄKTA FPLC	GE Healthcare	n/a	Any FPLC, HPLC peristaltic or syringe pump should be compatible with the flow unit.