

Supplementary material

In vitro cytotoxicity assessment of a hydraulic fracturing fluid

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Table S1. Chemicals for fracturing fluid synthesis

Compound	CASRN	Source	Reagent grade
Boric acid	10043-35-3	Chem Supply	Analytical
Ethylene glycol (anhydrous)	107-21-1	Sigma–Aldrich	99.8%
2-Butoxyethanol	111-76-2	Sigma–Aldrich	GC (≥98.0%)
Sodium hydroxide	1310-73-2	Sigma–Aldrich	≥98.0%
Sodium carbonate (anhydrous)	497-19-8	Merck	Analytical
Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	Sigma–Aldrich	Technical (70–75%) in H ₂ O
Methanol	67-56-1	RCI Labscan	HPLC (99.9%)
Potassium chloride	7447-40-7	Chem Supply	99 %
Tetramethyl ammonium chloride	75-57-0	Sigma–Aldrich	≥98%
Hydrochloric acid	7647-01-0	Merck	32.0%
Sodium hypochlorite	7681-52-9	Sigma–Aldrich	4.00–4.99%
Citric acid (monohydrate)	77-92-9	Merck	Analytical
Ammonium persulfate	7727-54-0	Chem Supply	98 %
Guar gum	9000-30-0	Sigma–Aldrich	~80%
Hemicellulase	9025-56-3	Sigma–Aldrich	0.3–3.0 unit mg ⁻¹