

Materials List for:

Real-time Quaking-induced Conversion Assay for Detection of CWD Prions in Fecal Material

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Materials

Name	Company	Catalog Number	Comments
Materials			
Acrodisc syringe filters	PALL	4652	
amicon Ultra-15 Centrifugal filter Unit	Millipore	UCF901024	
BD 10 ml syringe	VWR	CA75846-842	
Chloramphenicol	Sigma-Aldrich	C0378	
Corning bottle-top vacuum filters	Sigma-Aldrich	431118	
Ethylenediaminetetraacetic acid (EDTA)	Sigma-Aldrich	E4884	
gentleMACS M Tube	Miltenyi Biotec	130-093-236	
Guanidine hydrochloride	Sigma-Aldrich	G4505	
Imidazole	Sigma-Aldrich	I5513	
Isopropanol	Sigma-Aldrich	I9516	
Kanamycin sulfate	Sigma-Aldrich	60615	
Luria-Bertani (LB) broth	ThermoFisher Scientific	12780029	
Magnesium chloride	Sigma-Aldrich	M9272	
N2 supplement (100X)	ThermoFisher Scientific	15502048	
N-lauroylsarcosine sodium salt (sarkosyl)	Sigma-Aldrich	ML9150	
Nanosep centrifugal devices with omega membrane 100K	PALL	OD100C34	
Nunc sealing tapes	ThermoFisher Scientific	232702	
Parafilm M	VWR	52858-000	
phenylmethylsulfonyl fluoride (PMSF)	Sigma-Aldrich	P7626	
Protease inhibitor tablet	Roche	4693159001	
Sodium chloride	Sigma-Aldrich	S3014	
Sodium deoxycholate	Sigma-Aldrich	D6750	
Sodium dodecyl sulfate (SDS)	Calbiochem	7910-OP	
sodium phosphate	Sigma-Aldrich	342483	
Sodium phosphate dibasic anhydrous	Sigma-Aldrich	S9763	
Sodium phosphate monobasic monohydrate	Sigma-Aldrich	S9638	

Sodium phosphotungstate hydrate (NaPTA)	Sigma-Aldrich	496626	
Thioflavin T	Sigma-Aldrich	T3516	
Tris-Hydroxy-Methyl-Amino-Methan (Tris)	Sigma-Aldrich	T6066	
Triton-100	Calbiochem	9410-OP	
Tween 20	Sigma-Aldrich	P7949	
Name	Company	Catalog Number	Comments
Commercial buffers and solutions			
BugBuster Master Mix	Nogagen	71456-4	
Ni-NTA superflow	Qiagen	1018401	
Phosphate-buffered saline (PBS) pH 7.4 (1X)	Life Technologies	P5493	
UltraPure Distilled Water	Invitrogen	10977015	
Name	Company	Catalog Number	Comments
Standards and commercial kits			
Express Autoinduction System 1	Novagen	71300-4	
Pierce BCA Protein Assay Kit	ThermoFisher Scientific	23227	
Name	Company	Catalog Number	Comments
Equipment setup			
AKTA protein purification systems FPLC	GE Healthcare Life Sciences		
Beckman Avanti J-25 Centrifuge	Beckman Coulter		
Beckman rotor JA-25.50	Beckman Coulter		
Beckman rotor JA-10	Beckman Coulter		
FLUOstar Omega microplate reader	BMG Labtech		
gentleMACS Dissociator	Miltenyi Biotec	130-093-235	
Name	Company	Catalog Number	Comments
Software			
MARS Data Analysis	BMG Labtech		
GraphPad Prism6	GraphPad software		