

Materials List for:

# An Electrochemiluminescence-Based Assay for MeCP2 Protein Variants

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## Materials

Name	Company	Catalog Number	Comments
1,4-Dithiothreitol (DTT)	Sigma-Aldrich	D9779	Hypotonic lysis reagent, Extraction Buffer
Bio-Rad Protein Assay Dye Reagent Concentrate	Bio-Rad Laboratories Inc.	500-0006	Sample preparation
Detection AB SULFO-TAG labeled anti-rabbit	Meso Scale Diagnostics	R32AB-1	Antibody
Discovery workbench 4.0	Meso Scale Discovery		Software
DMEM (1X)	gibco by Life Technologies	41966-029	Sample preparation
Dulbecco's PBS (sterile)	Sigma-Aldrich	D8537-500ML	Sample preparation, Washing solution, Coating solution
EDTA	Sigma-Aldrich	EDS	Extraction Buffer
Fetal Bovine Serum	Sigma-Aldrich	F9665	Sample preparation
Glycerol	Sigma-Aldrich	G2025	Extraction Buffer
Gold Read Buffer T (1x) with surfactant	Meso Scale Diagnostics	R92TG	MeCP2 ECLIA protocol
HEPES	Sigma-Aldrich	H3375	Hypotonic lysis reagent, Extraction Buffer
KIMBLE Dounce tissue grinder set	Sigma-Aldrich	D8938	Sample preparation
Laboratory Shaker, rocking motion (low speed)	GFL	3014	MeCP2 ECLIA protocol
Magnesium chloride hexahydrate (MgCl <sub>2</sub> *6H <sub>2</sub> O)	Sigma-Aldrich	M2670	Hypotonic lysis reagent, Extraction Buffer
MeCP2 (Human) Recombinant Protein (P01)	Abnova Corporation	H00004204-P01	Cell treatment
Microseal B seal	Bio-Rad Laboratories Inc.	MSB1001	for plate sealing
Monoclonal Anti-MeCP2, produced in mouse, clone Mec-168, purified immunoglobulin	Sigma-Aldrich	M6818-100UL; RRID:AB_262075	Antibody, Coating solution
MSD Blocker A	Meso Scale Diagnostics	R93BA-4	Blocker
MSD SECTOR Imager 2400	Meso Scale Diagnostics	I30AA-0	MeCP2 ECLIA protocol
Multi-Array 96-well Plate	Meso Scale Diagnostics	L15XB-3/L11BX-3	MeCP2 ECLIA protocol
Penicillin-Streptomycin	gibco by Life Technologies	15140122	Sample preparation
Polyclonal Anti-MeCP2, produced in rabbit	Eurogentec S.A.	custom-designed	Antibody
Potassium chloride (KCl)	Merck KGaA	1049361000	Hypotonic lysis reagent
Primary AB Mouse, anti-MeCP2 (1B11)	Sigma-Aldrich	SAB1404063; RRID:AB_10737296	Antibody

Primary AB Mouse, anti-MeCP2 (4B6)	Sigma-Aldrich	WH0004204M1; RRID:AB_1842411	Antibody
Primary AB Mouse, anti-MeCP2 (Mec-168)	Sigma-Aldrich	M6818; RRID:AB_262075	Antibody
Primary AB Mouse, anti-MeCP2 (Men-8)	Sigma-Aldrich	M7443; RRID:AB_477235	Antibody
Primary AB Rabbit, anti-MeCP2 (D4F3)	Cell Signaling Technology	3456S; RRID:AB_2143849	Antibody
Protease Inhibitor Cocktail (100X)	Sigma-Aldrich	8340	Hypotonic lysis reagent, Extraction Buffer
Secondary AB, Rabbit, anti-MeCP2	Eurogentec S.A.	custom	Antibody
Secondary AB, Rabbit, anti-MeCP2	Merck	07-013	Antibody
Sodium chloride (NaCl)	Sigma-Aldrich	S3014	Extraction Buffer
SULFO-TAG Labeled Anti-Rabbit Antibody (goat)	Meso Scale Diagnostics	W0015528S	Antibody
TAT-MeCP2 fusion protein	in-house production		Cell treatment
Trypsin EDTA 0.25% (1X)	gibco by Life Technologies	25200-056	Cell treatment
Tween 20	Sigma-Aldrich	P9416	Washing solution