Materials List for:

Optimized Setup and Protocol for Magnetic Domain Imaging with *In Situ* Hysteresis Measurement

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Materials

Name	Company	Catalog Number	Comments
EMG 911 ferro-fluid	Ferrotec	89U1000000	Oil based Ferro-fluid for domain imaging
Solvent for EMG 900 series ferro-fluid	Ferrotec	89Z5000000	Original solvent for the EMG 900 series ferro-fluid for diluting the original ferro-fluid
AxioScope polarised light microscope	Zeiss	430035-9270-000	
S-Mize High Speed Camera	AOS Technologies AG	160021-10	High speed camera that can be connected to the microscope for recording videos
Midas DA Software	Xcitex, Inc		Synchronize the high-speed video with the *BH* data
MiDas DA Module BNC Breakout Box	Xcitex, Inc	185124H-01L	The hardware for data synchronizing the video and *BH* data
TransOptic mounting compounds	Buehler	20-3400-08	Transparent thermoplastic acrylic mounting material
MetaDi Supreme 9um diamond suspension	Buehler	406633128	9 µm diamond polishing suspension
MetaDi Supreme 3um diamond suspension	Buehler	406631128	3 µm diamond polishing suspension
MetaDi Supreme 1um diamond suspension	Buehler	406630032	1 µm diamond polishing suspension
MasterPrep polishing suspension	Buehler	406377032	Alumina polishing suspension
UltraPad polishing cloth	Buehler	407122	For 9 µm diamond polishing
TriDent polishing cloth	Buehler	407522	For 3 µm diamond polishing
ChemoMet polishing cloth	Buehler	407922	For 1 µm diamond polishing
MicroCloth polishing cloth	Buehler	407222	Final polishing using the alumina polishing suspension
Nital 2%	VWR International	DIUKNI4307A	For etching
BH analyzer	University of Manchester	Not applicable	An in-house system for *BH* analysis