

# Synovial Fluid Analysis to Identify Osteoarthritis

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jove.com/video/64351

## Materials

Name	Company	Catalog Number	Comments
Alizarin red S	Merck	A5533	For BCP crystal search
Burker chamber	Merck	BR718905	For total white blood cell count
Cover glasses	Merck	C7931	For microscopic examination
EDTA tubes	BD	368861	For SF collection
Glass slides	Merck	S8902	For crystal search
Lambda filter (compensator)	Any	Refer to microscope company	For crystal identification
Malassez-Potain pipette	Artiglass	54830000	For dilution of synovial fluid
Methylene blue solution	Merck	3978	For total white blood cell count
Polarized microscope	Leica, Nikon, others	Depending on the model and company	For complete synovial fluid analysis
Polarizing lens	Any	Refer to microscope company	For crystal identification
Testsimplet	Waldeck	14386	Supravital staining for cell differentiation