

Materials List for:

Multiplexed Fluorescent Microarray for Human Salivary Protein Analysis Using Polymer Microspheres and Fiber-optic Bundles

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Materials

Name	Company	Catalog Number	Comments
Eu-TTA dye	Fisher Scientific	AC42319-0010	
THF	Sigma-Aldrich	34865-100ML	
Amber glass vial	Fisher Scientific	03-339-23B	
Coumarin 30 dye	Sigma-Aldrich	546127-100MG	
Microspheres	Bangslabs	PC05N/6698	
1.5 ml microcentrifuge tubes	Fisher Scientific	05-408-129	
PBS 10x concentrate	Sigma-Aldrich	P5493-1L	
Water	Sigma-Aldrich	W4502-1L	
Methanol	Sigma-Aldrich	34860-100ML	
Tw-20	Sigma-Aldrich	P7949-100 ml	
BupH MES buffered saline	Thermo Scientific	28390	
SDS	Sigma-Aldrich	05030-500ML-F	
NaOH solution	Fisher Scientific	SS256-500	
Safe-lock microcentrifuge tube	VWR labshop	53511-997	
EDC	Thermo Scientific	22980	
Sulfo-NHS	Thermo Scientific	24510	
Human VEGF capture antibody	R&D Systems	MAB293	
Human IP-10 capture antibody	R&D Systems	MAB266	
Human IL-8 capture antibody	R&D Systems	MAB208	
Human EGF capture antibody	R&D Systems	MAB636	
Human MMP-9 capture antibody	R&D Systems	MAB936	
Human IL-1 β capture antibody	R&D Systems	MAB601	
Mouse IgG1 isotype control antibody	R&D Systems	MAB002	
StartingBlock (TBS) buffer	Thermo Scientific	37542	
HCl standard solution 1.0 N	Sigma-Aldrich	318949-500 ml	
0.5 ml microcentrifuge tubes	Fisher Scientific	05-408-120	
Protein-free (PBS) buffer	Thermo Scientific	37572	
Recombinant human VEGF 165	R&D Systems	293-VE	
Recombinant human IP-10	R&D Systems	266-IP	
Recombinant human IL-8	R&D Systems	208-IL	
Recombinant human EGF	R&D Systems	236-EG	
Recombinant human MMP-9	R&D Systems	911-MP	

Recombinant human IL-1 β	R&D Systems	201-LB	
StartingBlock T20 (PBS) buffer	Thermo Scientific	37539	
Blocker BSA in PBS	Thermo Scientific	37525	
Biotinylated VEGF detection antibody	R&D Systems	BAF293	
Biotinylated IP-10 detection antibody	R&D Systems	BAF266	
Biotinylated IL-8 detection antibody	R&D Systems	BAF208	
Biotinylated EGF detection antibody	R&D Systems	BAF236	
Biotinylated MMP-9 detection antibody	R&D Systems	BAF911	
Biotinylated IL-1 β detection antibody	R&D Systems	BAF201	
Streptavidin, R-phycoerythrin	Invitrogen	S-21388	
Ethanol (200 proof)	Sigma-Aldrich	E7023-500ML	