

Materials List for:

# Development of a Colloidal Gold-based Immunochromatographic Test Strip for Detection of Cetacean Myoglobin

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## Materials

Name	Company	Catalog Number	Comments
Phosphate buffered saline	AMRESCO	J373	
Protein G HP SpinTrap	GE Healthcare	28-9031-34	spin column containing Protein G Sepharose
IsoStrip Mouse Monoclonal Antibody Isotyping Kit	Roche	11493027001	Isotyping Strips, precoated with subclass- and light-chain-specific anti-mouse-Ig antibodies
Mini Trans-Blot	Bio-Rad	170-3935	
Nitrocellulose membrane	Whatman	Z613630	
Antibody blocker solution	LTK BioLaboratories		To minimize nonspecific binding interactions of nonspecific IgG in the samples
BCIP/NBT phosphatase substrate	KPL	50-81-00	
Protein Detector HRP Microwell Kit, Anti-Mouse	KPL	54-62-18	
Nunc Immunoplate MaxiSorp ELISA plate	Thermo Fisher Scientific	EW-01928-08	
Multiskan EX ELISA reader	Thermo Electron Corporation	51118170	
Colloid gold (40 nm) solution	REGA biotechnology Inc.		40-50 nm is appropriate for immunostrip
Bovine serum albumin	Gibco	15561-020	
Rapid test immno-strip printer	REGA biotechnology Inc.	AGISMART RP-1000	Only suited for small scale production of immunostrips for research and development purposes
Strip components (NC membranes, sample pads (#33 glass, S&S), conjugate pads (#16S, S&S) and absorbent pads (CF6, Whatman))	REGA biotechnology Inc.		
Freund's adjuvant and incomplete Freund's adjuvant	Sigma-Aldrich	F5881, F5506	Used to produce water-in-oil emulsions of immunogens
Acrylamide, gel buffer, ammonium persulfate (APS), tetramethylethylenediamine (TEMED)	Protech		Gel preparation for SDS-PAGE
Coomassie brilliant blue R-250	Bio-Rad	1610436	Protein staining in SDS-PAGE gels
Laemmli sample buffer and $\beta$ -mercaptoethanol	Bio-Rad	1610737, 1610710	Dilute protein samples before loading on SDS-PAGE gels