



VisuLize™ Buffer Pak

Sufficient reagent for 5 x 96 well plates

Product #: EIA-PAK-1

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Store at 2 to 8°C

For Research Use Only
Not for use in diagnostic procedures.

Description of VisuLize™ Buffer Pak

The VisuLize™ Buffer Pak consists of assay plates, general purpose buffers and materials for the preparation and performance of ELISA assays. This Buffer Pak provides sufficient reagents for 5 x 96 well assays. The components of the VisuLize™ Buffer Pak can be used in the development of in-house immunoassays and are especially suited for use with a number of Affinity Biologicals' matched-pair antibody sets for EIA, including the following:

FG-EIA	RBFG-EIA	FII-EIA
FV-EIA	FVII-EIA	VWF-EIA
FX-EIA	FXI-EIA	FXII-EIA
FXIII-EIA	PC-EIA	PS-EIA
PCI-EIA	APCPCI-EIA	APOH-EIA
PG-EIA	APCAT-EIA	A1AT-EIA
KN-EIA	PK-EIA	THCII-EIA
TPA-EIA	MATIII-EIA	MFG-EIA
MFx-EIA	MPG-EIA	

Some of the EIA sets listed may not require all the components provided in the VisuLize™ Buffer Pak. Please refer to specific EIA Instructions for Use for the appropriate buffers and assay conditions.

Cautions and Warnings:

This kit is intended for use by personnel trained in laboratory procedures and precautions for the use of chemicals. The OPD substrate (o-Pheylenediamine.2HCl) is toxic therefore precautions should be taken to avoid direct contact. The use of gloves and safety glasses is recommended. The disposal of waste materials must be carried out according to current local regulations. For a Material Safety Data Sheet for this product contact Affinity Biologicals Inc.

Supplied Materials:

Item 1. 5 x 96 well microtiter plates; each plate consists of 6 x 16 well strips and frame

Item 2. 5 Adhesive Plate sealers

Item 3. 1 bottle containing 60 mL Coating Buffer (50 mM Carbonate, pH 9.6, plus preservative); to be used in coating of antibodies to microtiter plates

Item 4. 1 bottle containing 80 mL Blocking Buffer (1% BSA in PBS, pH 7.4, plus preservative); to be used as blocking reagent in ELISA assays

Item 5. 2 bottles, each containing 125 mL 20X PBS-Tween (2% (v/v) Tween-20 in PBS, pH 7.4, plus preservative); to be used as wash buffer and/or sample diluent, depending on assay requirements

Item 6. 5 tubes, each containing 10 mL 5X HBS-BSA-T20 (0.5% (v/v) Tween-20, 5% BSA in HBS, pH 7.2, plus preservative); to be used as sample diluent and/or detecting antibody diluent, depending on assay requirements

Item 7. 1 bottle containing 70 mL Substrate Buffer (Citrate-phosphate buffer, pH 5.0 plus preservative); to be used as buffer for OPD substrate

Item 8. 5 x 5mg OPD tablets (o-Pheylenediamine.2HCl)

Materials Required but not Provided

Reagent grade water
Single channel and multi-channel pipettes
Pipette tips
2.5 M H₂SO₄
30% H₂O₂
Microplate washer (optional) and reader

Reagent Preparation:

Prior to use, allow reagents to warm to room temperature.

Item 1. (6 x 16 well strips with frame): Prior to use, ensure desired number of strips are assembled in plate frame. Unused strips can be stored in bag.

Item 5. (20X PBS-Tween): Allow bottle to warm to room temperature before use. Ensure any crystals that may have formed are dissolved before proceeding. If necessary the vial can be warmed to 37°C until all crystals have dissolved. Dilute the concentrate 1/20 before use. For every full 96-well plate assay, add 50 mL of 20X PBS-Tween to 950 mL reagent grade water and mix. Stability after dilution is 1 week at 2–8°C.

Item 6. (5X HBS-BSA-T20): Allow vial to warm to room temperature before use. Dilute the concentrate 1/5 before use. For every full 96-well plate assay, add 10 mL of 5X HBS-BSA-T20 to 40 mL reagent grade water and mix. Stability after dilution is 1 week at 2–8°C.

Item 8. (5m OPD tablet): Make up immediately before use. Dissolve 5mg OPD tablet in 12 ml substrate buffer (Item 7) then add 12 µl 30% H₂O₂. Do not store.

Items 2-4 and 7 are supplied ready to use.

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Storage and Stability :

Intact kits and un-reconstituted reagents are stable until the expiration date stated on the box and individual reagent labels when stored at 2–8°C.

Related Products:

Cat #:	EIA-CSA-1	VisuCal™ Antigen Calibrator Plasma, 1 x 1ml
Cat #:	EIA-CSA-5	VisuCal™ Antigen Calibrator Plasma, 5 x 1ml
Cat #:	FG-EIA	Paired Antibody Set for ELISA of Fibrinogen, 5 x 96 wells
Cat #:	RBFG-EIA	Paired Antibody Set for ELISA of Rabbit Fg, 4 x 96 wells
Cat #:	FII-EIA	Paired Antibody Set for ELISA of Factor II, 5 x 96 wells
Cat #:	FV-EIA	Paired Antibody Set for ELISA of Factor V, 5 x 96 wells
Cat #:	FVII-EIA	Paired Antibody Set for ELISA of Factor VII, 5 x 96 wells
Cat #:	FX-EIA	Paired Antibody Set for ELISA of Factor X, 5 x 96 wells
Cat #:	FXI-EIA	Paired Antibody Set for ELISA of Factor XI, 5 x 96 wells
Cat #:	FXII-EIA	Paired Antibody Set for ELISA of Factor XII, 5 x 96 wells
Cat #:	FXIII-EIA	Paired Antibody Set for ELISA of Factor XIII, 5 x 96 wells
Cat #:	VWF-EIA	Paired Antibody Set for ELISA of VWF, 5 x 96 wells
Cat #:	PC-EIA	Paired Antibody Set for ELISA of Protein C, 5 x 96 wells
Cat #:	APCPCI-EIA	Paired Antibody Set for ELISA of APC-PCI, 5 x 96 wells
Cat #:	APCAT-EIA	Paired Antibody Set for ELISA of APC- α 1AT, 5 x 96 wells
Cat #:	PS-EIA	Paired Antibody Set for ELISA of Protein S, 5 x 96 wells
Cat #:	PCI-EIA	Paired Antibody Set for ELISA of PCI, 5 x 96 wells
Cat #:	APOH-EIA	Paired Antibody Set for ELISA of APOH, 5 x 96 wells
Cat #:	PG-EIA	Paired Antibody Set for ELISA of Pg, 5 x 96 wells
Cat #:	A1AT-EIA	Paired Antibody Set for ELISA of α 1-AT, 5 x 96 wells
Cat #:	KN-EIA	Paired Antibody Set for ELISA of Kininogen, 5 x 96 wells
Cat #:	PK-EIA	Paired Antibody Set for ELISA of Prekallikrein, 5 x 96 wells
Cat #:	TPA-EIA	Paired Antibody Set for ELISA of tPA, 5 x 96 wells
Cat #:	THCII-EIA	Paired Antibody Set for ELISA of T-HCII, 5 x 96 wells
Cat #:	MTX-EIA	Paired Antibody Set for ELISA of Murine F.X, 5 x 96 wells
Cat #:	MATIII-EIA	Paired Antibody Set for ELISA of Murine ATIII, 5 x 96 wells
Cat #:	MFG-EIA	Paired Antibody Set for ELISA of Murine Fg, 5 x 96 wells
Cat #:	MPG-EIA	Paired Antibody Set for ELISA of Murine Pg, 5 x 96 wells

Visit our site (www.affinitybiologicals.com) for details.

Limited Warranty: This product is warranted to perform in accordance with its labelling and literature. Affinity Biologicals Inc. disclaims any implied warranty of merchantability or fitness for any other purposes, and in no event will Affinity Biologicals Inc. be liable for any consequential damages arising out of aforesaid express warranty.

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