

Erythropoietin (EPO) ELISA Kit

Immunoassay for detection and measurement of human erythropoietin

Catalog #01630

1 Kit



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Product Description

The EPO ELISA Kit is a rapid, 3-step enzyme-linked immunosorbent assay (ELISA) designed for the quantitative measurement of natural and recombinant human erythropoietin (EPO). The assay utilizes two monospecific monoclonal antibodies raised against human urinary EPO. These antibodies bind two non-overlapping epitopes on the EPO polypeptide and show high-affinity binding to both natural and recombinant EPO.

The range of detection for the kit is 1.6 - 100 mU/mL, and assay time is approximately 3 hours. This ELISA is intended for measurement of human EPO only. It has not been validated for detection of EPO from other species.

Product Information

The following components are sold as a complete kit (Catalog #01630) and are not available for individual sale.

Each component is stable for at least 1 year from the date of manufacture (MFG) as indicated on the label when stored at 2 - 8°C. Do not freeze.

COMPONENT NAME	COMPONENT #	SIZE	DESCRIPTION
Buffer A	01600	3 mL	Phosphate-buffered saline containing protein, detergent, and 0.09% (v/v) Proclin
Buffer B	01601	50 mL	Phosphate-buffered saline containing protein, detergent, and 0.09% (v/v) Proclin
Biotinylated Anti-EPO Antibody	01602	7 mL	Diluted in 7 mL Buffer B
Streptavidin-Peroxidase Conjugate	01603	12.5 mL	Diluted in peroxidase stabilizing buffer
TMB Substrate Solution*	01604	12.5 mL	Tetramethylbenzidine and hydrogen peroxide solution
Stop Solution*	01605	12 mL	0.5 N sulphuric acid
10X Wash Buffer	01606	100 mL	Concentrate of phosphate-buffered saline containing detergent
EPO Standard†	01607	1 mL	100 mU/mL
EPO Standard†	01608	1 mL	50 mU/mL
EPO Standard†	01609	1 mL	25 mU/mL
EPO Standard†	01610	1 mL	12.5 mU/mL
EPO Standard†	01611	1 mL	6.25 mU/mL
EPO Standard†	01612	1 mL	3.12 mU/mL
EPO Standard†	01613	1 mL	1.56 mU/mL
EPO Standard†	01614	1 mL	0 mU/mL
Microtiter Plate	01615	1 plate	96 wells (12 strips of 8 wells) pre-coated with anti-EPO monoclonal antibody
Adhesive Covers	01616	4 covers	Plate covers

*Please refer to the Safety Data Sheet (SDS) for hazard information.

†Calibrated against the International Standard for Recombinant-DNA-Derived EPO (NIBSC code 87/684).

Directions for Use

For complete instructions, refer to the Technical Manual: Human Erythropoietin ELISA Kit (Document #28379), available at www.stemcell.com or contact us to request a copy.

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