

A photograph of a female scientist in a laboratory setting. She is wearing a white lab coat, safety glasses, and yellow gloves. She is using a blue and white multi-channel pipette to transfer liquid into a white 96-well plate. In the background, there is a rack of test tubes containing yellow liquid, and two Erlenmeyer flasks on a counter. The scene is brightly lit, and the overall tone is professional and scientific.

Oncogene Science EGFr ELISA

Epidermal Growth Factor Receptor (EGFr)
For Research Use Only. Not for use in diagnostic procedures.

Epidermal Growth Factor Receptor (EGFr)

→ Use

The Oncogene Science® EGFr ELISA is an enzyme-linked immunoassay used to quantitate human epidermal growth factor receptor in human serum and plasma. This assay is for research use only (RUO) and is not for use in diagnostic procedures.



→ EGFr

The EGFr oncoprotein is a 170 kDa membrane-bound protein expressed on the surface of epithelial cells and has a p110 extracellular domain that is shed from the surface of normal and cancer cells [1]. The quantitative measurement of EGFr in human serum or plasma provides a way to research the role EGFr may play in cancer development and progression. Additionally, measuring EGFr oncoprotein levels with the EGFr ELISA can help aid in research

conducted for the purposes of developing and evaluating potential new cancer therapies.

Studies suggest that changing levels of serum EGFr may be reflective of clinical benefit, time to progression and overall survival for certain types of cancers [2–3,8]. For example, some studies indicate metastatic breast cancer patients with decreased EGFr levels had shorter overall survival compared

to patients with normal serum EGFr levels [6,7]. However, additional research is needed as the clinical relevance is still unclear. Combined with other Oncogene Science tests, such as the serum HER-2/neu ELISA, the EGFr ELISA could provide additional information for cancer studies [4–8]. The potential for the EGFr ELISA in research studies is vast and requires further examination.

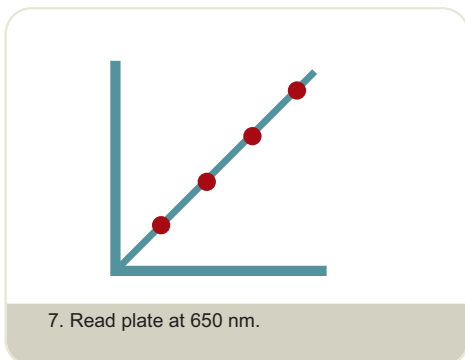
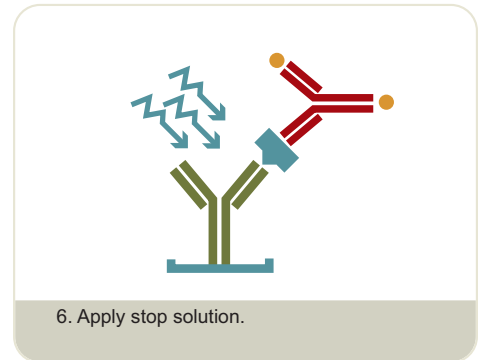
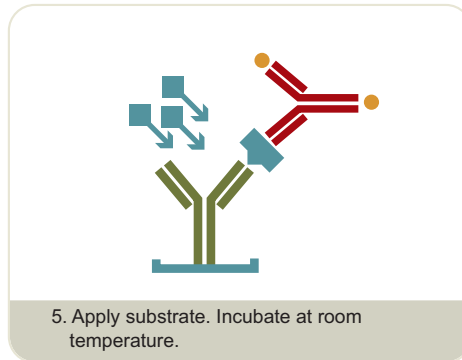
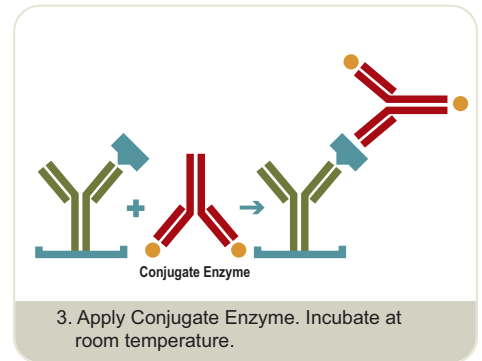
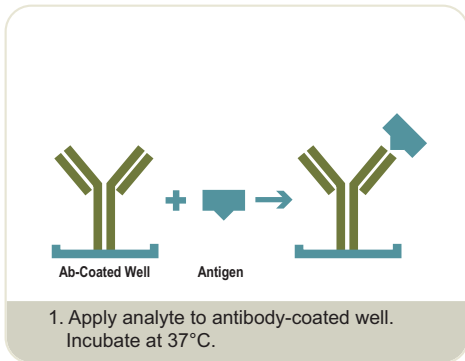
→ References

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EGFr ELISA Procedure

The EGFr ELISA is used to quantitate EGFr in human serum and plasma. Results are available in one day for researchers who require a standardized, reliable result for comparing values within the laboratory and between laboratories.



→ For additional product information or to place an order, please visit www.oncogene.com.

Ordering Information

Part Number	Description			
06489930	EGFr ELISA (RUO)	1 Plate	96 Wells	38 Samples†
06489949	EGFr ELISA Controls (RUO)		0.5 mL	3 Levels

Each plate contains 96 antibody-coated test wells (12 strips of 8).

The EGFr ELISA also includes the following required materials to ensure accurate, consistently reproducible results:

- EGFr Standards
- Sample Diluent
- 50X Conjugate
- Conjugate Diluent
- Platewash Concentrate
- Stop Solution
- Substrate
- Microtiter Plate

†Tests to be run in duplicate.

