

# Datasheet: ANNEX50PE

**BATCH NUMBER 166639**

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | ANNEXIN V:PE ASSAY KIT |
| <b>Name:</b>         | ANNEXIN V KIT          |
| <b>Format:</b>       | RPE                    |
| <b>Product Type:</b> | Kits                   |
| <b>Quantity:</b>     | 50 TESTS               |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                | Yes | No | Not Determined | Suggested Dilution |
|----------------|-----|----|----------------|--------------------|
| Flow Cytometry | ▪   |    |                | Neat               |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

| Max Ex/Em | Fluorophore     | Excitation Max (nm) | Emission Max (nm) |
|-----------|-----------------|---------------------|-------------------|
|           | RPE 488nm laser | 496                 | 578               |

|                     |  |
|---------------------|--|
| <b>Preservative</b> | 0.09% Sodium Azide (NaN <sub>3</sub> ) |
| <b>Stabilisers</b>  | 1% Bovine Serum Albumin                |

### External Database Links

#### UniProt:

[P08758](#) [Related reagents](#)

#### Entrez Gene:

[308](#) ANXA5 [Related reagents](#)

|                 |                 |
|-----------------|-----------------|
| <b>Synonyms</b> | ANX5, ENX2, PP4 |
|-----------------|-----------------|

|                            |  |
|----------------------------|--|
| <b>Product Information</b> | This test employs the property of Annexin V to bind to the membrane phospholipid phosphatidylserine (PS) in the presence of Ca <sup>2+</sup> . PS is exposed at the cell surface during the early stages of apoptosis. Detection of PS is a very sensitive method for detecting cells entering apoptosis, at a time point considerably ahead of nuclear changes such as DNA degradation. |
|----------------------------|--|

The conjugation protocol used to prepare this product has not changed the native phospholipid binding properties of Annexin V. This protocol is designed to measure apoptosis easily and quickly in a sample of suspended cells.

[View our complete list of formats and sizes of Annexin V kits](#)

|                                      |  |
|--------------------------------------|--|
| <b>Reagents In The Kit</b>           | Annexin V:PE 50 tests<br>7-AAD Viability Staining Solution 100 tests<br>10X Binding Buffer 30 ml   |
| <b>Instructions For Use</b>          | <p>1) Dilute the 10X Binding Buffer to 1X in distilled water (1 ml Binding Buffer + 9 ml distilled water).</p> <p>2) Wash cells once in PBS by gentle shaking or pipetting up and down. Then wash once in 1X binding buffer.</p> <p>3) Resuspend cells in 1X Binding Buffer, adjusting to a cell density of <math>1-5 \times 10^6</math> cells/ml.</p> <p>4) Add 5 µl of PE conjugated Annexin V to 100 µl of the cell suspension.</p> <p>5) Mix and incubate for 10 to 15 minutes at room temperature.</p> <p>6) Wash cells in 1X Binding Buffer.</p> <p>7) Resuspend cells in 200 µl of 1X Binding Buffer.</p> <p>8) Add 5 µl of 7-AAD Viability Staining Solution and incubate for 5 minutes at room temperature.</p> <p>9) Analyse by flow cytometry within 4 hours. Store at 2-8°C in the dark.</p> |
| <b>Storage</b>                       | <p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>  |
| <b>Guarantee</b>                     | Guaranteed until date of expiry. Please see product label.   |
| <b>Health And Safety Information</b> | <p>Material Safety Datasheet documentation #10229 #10230 #10582 available at: <a href="https://www.bio-rad-antibodies.com/SDS/ANNEX50PE">https://www.bio-rad-antibodies.com/SDS/ANNEX50PE</a></p> <p>Recombinant Annexin V (10229)<br/>Binding Buffer (10230)<br/>7-AAD (10582)</p>  |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

## Recommended Useful Reagents

[ANNEXIN V:APC ASSAY KIT \(ANNEX200APC\)](#)

[ANNEXIN V:APC ASSAY KIT \(ANNEX50APC\)](#)

[ANNEXIN V:PE ASSAY KIT \(ANNEX200PE\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
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