

## 7-AAD Viability Staining Solution

**Catalog # / Size:** 420403 / 200 tests  
420404 / 500 tests

**Preparation:** CAUTION: 7-AAD is a potential carcinogen. It is recommended that the user wear protective clothing, gloves, and eye/face protection in order to avoid contact with skin and eyes.

**Formulation:** PBS, pH 7.2 with 0.09% (w/v) sodium azide.

**Concentration:** 50 µg/ml

**Storage:** Protect from light. Store between 2°C and 8°C.

## Applications:

**Applications:** FC - *Quality tested*

**Recommended Usage:** For dead cell exclusion, resuspend cell pellet in 0.5 mL of Cell Staining Buffer and add 5 µl of 7-AAD per million cells and incubate for 5-10 minutes in the dark before analysis. The analysis of the cells should be done as soon as possible after the incubation with the dye.

**We recommend utilizing our Fluorescence Spectra Analyzer to determine compatibility of 7AAD with other fluorochromes.**

**Application Notes:** 7-AAD Viability Staining Solution can be used as a viability probe for methods of nonviable cell exclusion.

**Application References:**

1. Paterson AM, *et al.* 2011. *J. Immunol.* 187:1097. PubMed
2. Wingren M, *et al.* 2012. *Arterioscler Thromb Vasc Biol.* 32:2000. PubMed
3. Sandu SK, *et al.* 2012. *PNAS* 109:20047. PubMed
4. Evdokimova V, *et al.* 2012. *Sci Signal.* 5:92. PubMed
5. Choudhury KR, *et al.* 2012. *PLoS One.* 7:e51415. PubMed
6. Wu Y, *et al.* 2013. *J. Immunol.* 190:1859. PubMed
7. Harker KS, *et al.* 2013. *J. Leukoc Biol.* 93:789. PubMed
8. Zhang ZN, *et al.* 2013. *Clin Chem.* 59:1175. PubMed
9. Mikhak Z, *et al.* 2013. *J Exp Med.* 210:1855. PubMed
10. Cohen HB, *et al.* 2013. *Blood.* 122:1935. PubMed
11. Hufbauer M, *et al.* 2013. *J. Virol.* 87:12158. PubMed
12. Turner JE, *et al.* 2103. *J Exp Med.* PubMed
13. Teng T, *et al.* 2013. *Mol Cell Biol.* 33:4660. PubMed
14. Hussain MS, *et al.* 2013. *Hum Mol Genet.* 22:5199. PubMed
15. Turner JE, *et al.* 2013. *J. Exp Med.* 210:2951. PubMed
16. Kong W, *et al.* 2014. *Cell Immunol.* 287:1. PubMed
17. Fell LH, *et al.* 2014. *Nephrol Dial Transplant.* PubMed
18. Kraaji MD, *et al.* 2014. *Cytokine.* 67:7. PubMed
19. Schneider C, *et al.* 2014. *PNAS.* 111:8185. PubMed

**Description:** 7-AAD (7-amino-actinomycin D) has a high DNA binding constant and is efficiently excluded by intact cells. It is useful for DNA analysis and dead cell discrimination during flow cytometric analysis. When excited by 488 laser light, 7-AAD fluorescence is detected in the far red range of the spectrum (650 nm long-pass filter).

**Antigen References:** 1. Schmid I, *et al.* 1992. *Cytometry.* 13:204

### Related Products:

**Product**  
Cell Staining Buffer  
RBC Lysis Buffer (10X)

### Clone

**Application**  
FC, ICC, ICFC  
FC, ICFC



### Nous contacter

**Service technique**  
01 34 60 24 24  
tech@ozyme.fr

**Service commercial**  
01 30 85 05 42  
commercial@ozyme.fr

**Service commande-client**  
01 34 60 15 16  
commande@ozyme.fr



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biollegend.com/ordering#license](http://www.biollegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.