

Epinephrine Cost Analysis Tool

Epinephrine Product Selection

Reset Button

☐ Epinephrine 2 mg/250 mL
 ☐ Epinephrine 4 mg/250 mL
 ☐ Epinephrine 5 mg/250 mL
 ☐ Epinephrine 8 mg/250 mL
 ☐ Epinephrine 10 mg/250 mL

What is the Actual Cost to Compound Epinephrine Infusion Bags?

What is the current vial cost?		What is the vial size?	☐ 1 mL ☐ 10 mL ☐ 30 mL
What is the diluent (bag) cost?	\$ 4.77		
What are the supply costs?	\$ 2.00		
What is the average percent waste of epinephrine infusions?	9.24%		
Personnel Costs Per Unit	\$ 2.82		
Technician Rate Per Hour	\$ 20.83		
Time per dose (min):	5		
Pharmacist Rate Per Hour	\$ 64.81		
Time per dose (min):	1		

Adrenalin®
(epinephrine in 0.9% sodium chloride injection)
Ready-to-Use Premixed Bag

Adrenalin®
(epinephrine in 0.9% sodium chloride injection), the first FDA-approved, manufacturer-prepared epinephrine premixed intravenous (IV) bag.⁵

Actual Cost Per Bag to Compound

Epinephrine Per Bag Cost

\$ 0.00

How does the Ready-to-Use Cost Compare to the Current Process?

Do you purchase epinephrine bags from a 503B Facility?	☐ Yes ☐ No	What is the 503B Cost per Bag?	
What is the weekly usage of epinephrine infusions?			

Yearly Cost Breakdown

Current Process	Unit Cost	Monthly	Yearly
Batching	\$ 0.00	\$ 0.00	\$ 0.00
503B Outsourcing	\$ 0.00	\$ 0.00	\$ 0.00
Total		\$ 0.00	\$ 0.00
Manufactured Product		\$ 0.00	\$ 0.00

Cost Comparison

Yearly Difference

\$ 0.00

Calculations

Epinephrine Per Unit Cost	(Vial per mL Cost x Total mL of Drug Needed for the Selected Bag) Plus (Bag Cost + Supply Cost) Multiplied by (1 Plus Percentage Waste) Plus (Per Unit Personnel Cost)
Yearly Costs	(Per Unit Cost) Multiplied by (Weekly Usage) Multiplied by (26 Weeks)

References

1. Average 2024 Wholesale Acquisition Cost (WAC) for 250 mL normal saline bags
2. Sum of average 2024 Wholesale Acquisition Cost (WAC) for compounding supplies
3. Average of published data:
 - i. <https://pubmed.ncbi.nlm.nih.gov/21116003/>
 - ii. <https://pubmed.ncbi.nlm.nih.gov/10312222/>
 - iii. <https://pubmed.ncbi.nlm.nih.gov/1570849/>
 - iv. <https://journals.sagepub.com/doi/full/10.1177/08971900211027134>
 - v. https://www.researchgate.net/figure/Baseline-and-Follow-up-Measurements-After-Implementation-of-a-Lean-Production-System-in-a_tbi2_242771873
4. Based on U.S. Bureau of Labor Statistics for 2023
5. U.S. Food & Drug Administration. New Drug Approval for Epinephrine: NDA 215875. April 21, 2023.
6. Fanikos J, Burger M, Canada T, et al. An assessment of currently available i.v. push medication delivery systems. *Am J Health-Syst Pharm.* 2017;74(9):e230-235.
7. Billstein-Leber M, Carrillo CJD, Cassano AT, Moline K, Robertson JJ. ASHP guidelines on preventing medication errors in hospitals. *Am J Health-Syst Pharm.* 2018;75(19):1493-1517.
8. Adrenalin® (epinephrine in sodium chloride injection). Prescribing Information. Par Health USA, LLC.

Disclaimer: Costs listed here are estimates only and may not reflect your specific situation. Actual costs are subject to many factors and this tool should not be construed as an offer to sell or reimburse.

- ✓ Improves treatment delivery time and workflow efficiencies⁶
- ✓ Does not require compounding, diluting, mixing, or transferring, which may reduce waste⁷
- ✓ Single-port IV tubing reduces risk of inadvertently adding other medications to bag^{7,8}

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