

Recommended Blood Culture Volumes by Weight

Body Weight	Aerobic Cultures		Anaerobic Cultures
	Pink Top Bottle 	Blue Top Aerobic Bottle 	Purple Top Anaerobic Bottle 
< 5 kg	1 ml	---	---
5 – 13 kg	4 ml	---	---
14 – 25 kg	---	5 ml	5 ml
26 – 39 kg	---	8 ml	8 ml
> 40 kg	---	10 ml	10 ml

***Use the table to determine the volume, not the label**

Key Points

- * Use **pink top bottles** for children **less than 14kg**
- * Use **blue top bottles** for children **14kg and up**
 - * *Blue top accommodates larger volumes of blood for accurate detection of bacteria.*
- * Even if multiple sticks are required, drawing enough culture helps improve your patient's care.

Why is optimizing culture volume important?

- * Culture volume is the **most important predictor** of detecting **bacteremia**.
- * Drawing 2-6 mL of blood for culture vs. <2 mL was associated with a **600% increase in yield** of blood cultures.¹
- * 25% of children with bacteremia have <1 bacterial cell per ml of blood.¹
- * Drawing both aerobic and anaerobic cultures increases yield for common pediatric pathogens (e.g., *S. pneumoniae*) by 30%.²



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