



kurin[®]
JET[™]

BLOOD CULTURE COLLECTION SETS

About



- Privately held, minority owned organization
- Innovative solutions company
 - Design, Engineering, Marketing, Sales & Service
- Focus on a Single Clinical Issue
 - Provide a simple product & service to
 - Improves clinical outcomes,
 - Reduces unnecessary workflow
 - Save hospitals money
 - Prior to Kurin, focus on CLABSI
 - Ivera – Curocaps (acquired by 3M)



Blood Culture Facts



Blood cultures remain the gold standard for diagnosing sepsis and sepsis is the leading cause of death and readmissions



There are over 1 million blood culture contaminations in the USA each year



Virtually all contaminations occur during sample acquisition

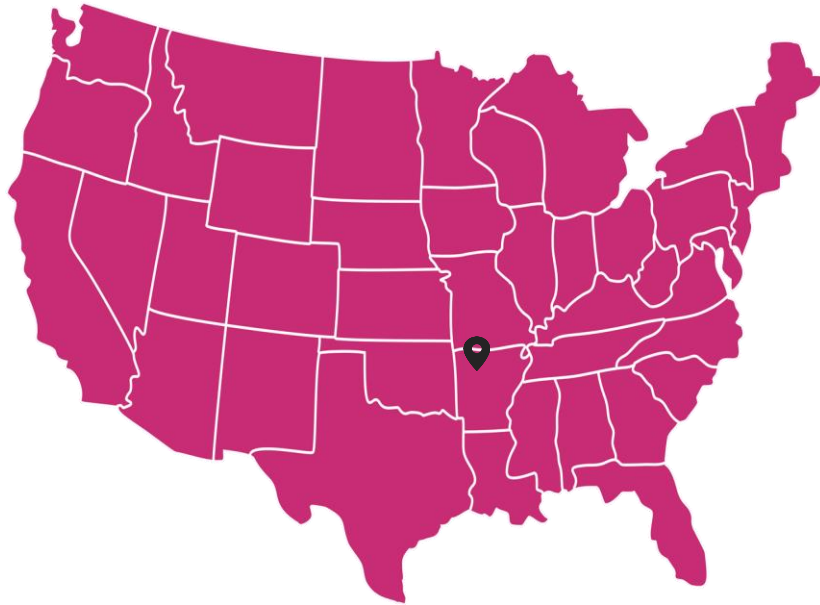


Blood culture contaminations are largely preventable

Impact of False Positive Blood Culture

University of Arkansas:

False Positive vs True Negative Patients



- Large university-based study
- Focused on the impact of blood culture contamination
- Over 13,000 blood cultures analyzed

20% increase in LOS (1.3 days)

24% increase in hospital charges
(\$7,225)

25% increase in vancomycin orders

24% increase in mortality

Cost of a Contamination (by publication)

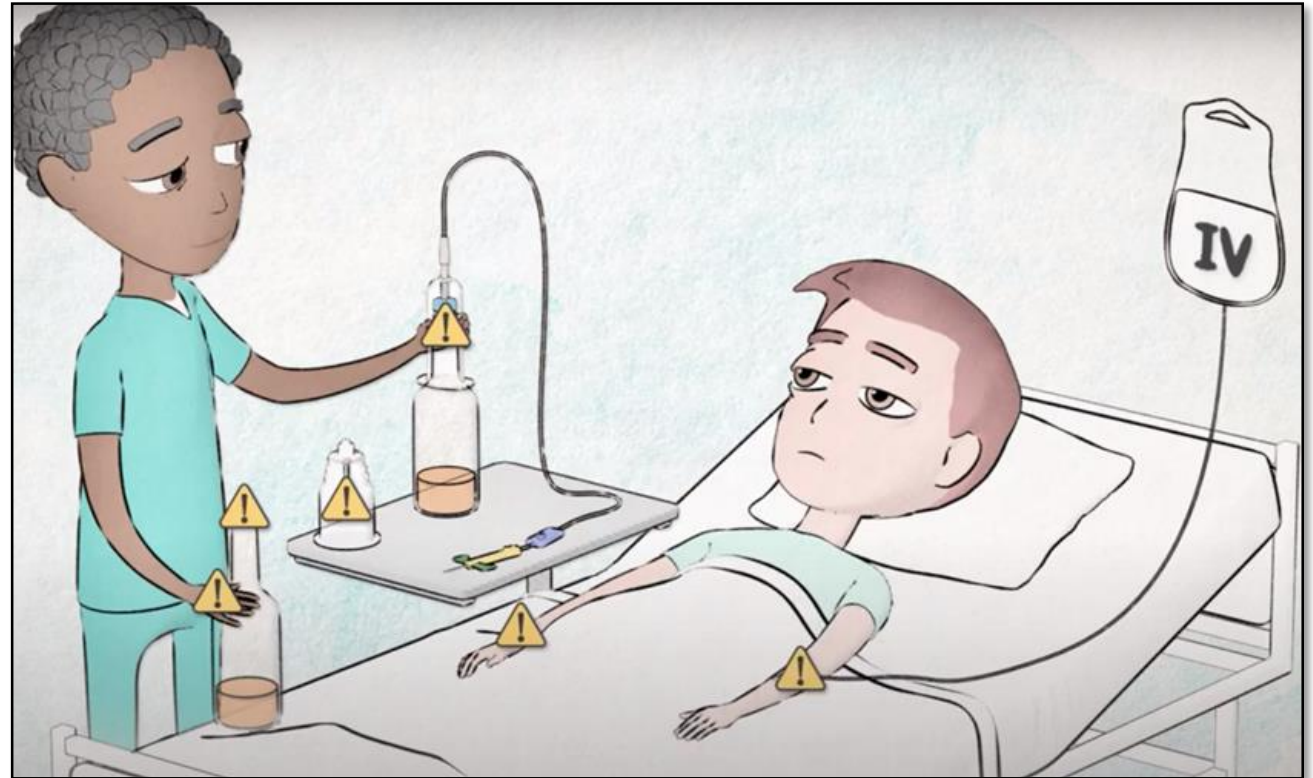
	Facility/Location	Cost	Journal/Presentation
Garcia et al. ¹⁵	Stonybrook, NY	\$4500-10,000	Am J Infect Control 2015
Skoglund et al. ¹⁶	University of Houston	\$4538-\$4739	J Clin Microbiol 2019
Gander et al. ¹⁷	Parkland, TX	\$3886	J Clin Microbiol 2009
Rupp et al. ¹⁸	University of Nebraska	\$4850	Clin Infect Dis. 2017
O' Sullivan & Steere ¹⁹	Hartford, CT	\$5000	Connecticut Med 2019
Dempsey et al. ²⁰	University of Houston	\$2923-\$5212	Am J Infect Control 2019
Allain ²¹	Crouse, NY	\$5200	CNS Conf 2018
Arnaout et al. ²²	University of Massachusetts	\$7000	Open Forum Infect Dis 2021
Burnie & Vining ²³	TriHealth, OH	\$5863	Clin Nurse Spec Dec. 2021

CDC AVERAGE CONTAMINATION COST

~\$4,538

Blood Culture Collection: *Where does it go wrong*

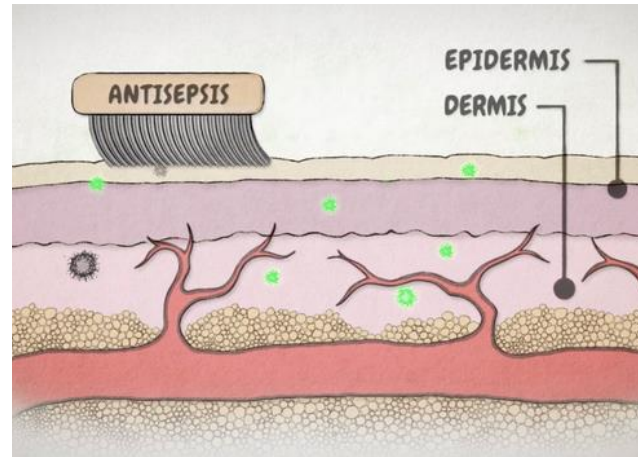
- ✓ Clinician's Hands
- ✓ Patient's Skin
- ✓ Tops of BC Bottles
- ✓ Existing lines
- ✓ Environment
- Open Systems/Syringe



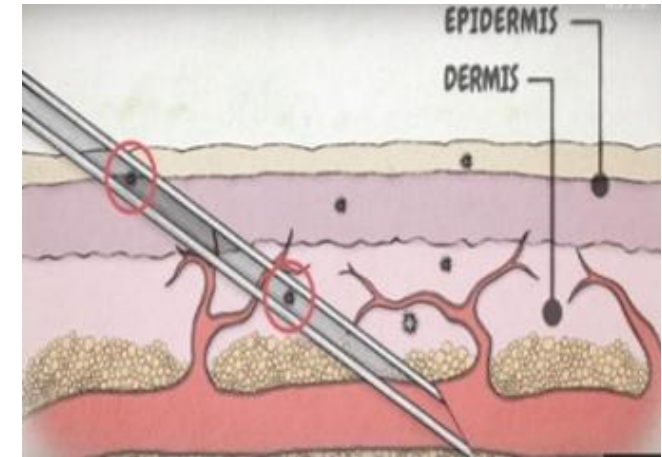
The Skin Plug



70-80% of the microorganisms identified as contaminants in blood cultures come from the patient's skin



20% of the microbes are below the surface of the skin and may not be impacted by disinfecting



Venipuncture creates a skin plug which can contain skin bacteria that can enter the blood culture bottle and cause a false-positive result

What is Kurin Jet?

A revolutionary technology that:

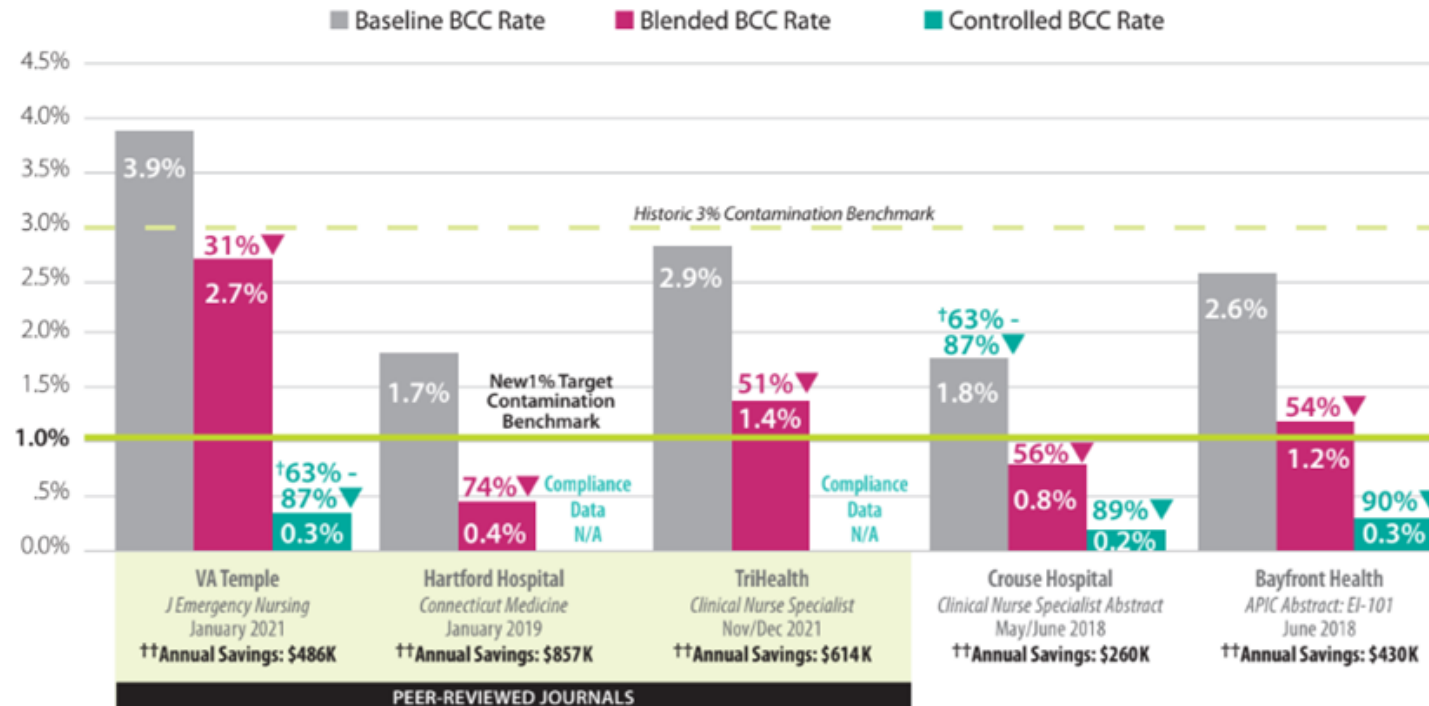
- Sidelines the initial flash of blood that may contain skin contaminants
- Does not change technique
- Passive, cannot be bypassed
- Easy to use/remain compliant
- Sidelines only first 0.15ml blood



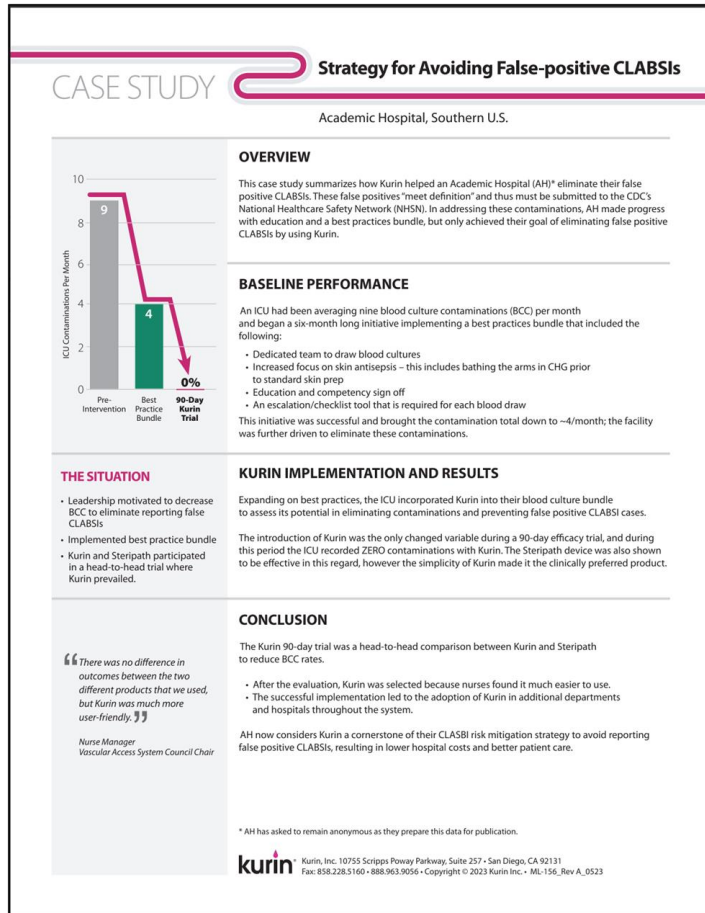
Evidence Based Results

Hospitals using Kurin can reduce blood culture contamination (BCC) rates below the new CDC and CLSI target of 1%.^{5,6}

Kurin Clinical Efficacy: Blended vs. Controlled Contamination Rate Reduction



Case Study – Falsely Reported CLABSI



Large Academic Hospital (200 bed ICU)

- Quality Program to lower reportable CLABSI's (all)
 - ~15% of reported CLABSI's were common commensal contaminations (BCC)
 - Averaged 9 BCC/month
 - Implemented education & accountability – averaged 4 BCC/month
 - Trialed Kurin (90 day) - 0 BCC
- Kurin along with best practice bundle, reportable CLABSI's decreased 84% (1) during the 90-day trial period



Kurin.com.