

Blood Culture Obtained

Standard Approach

12-16 hours	Blood culture positive Gram-stain results available
13-17 hours	MALDI-TOF MS organism identification
24 hours	Growth from subculture of positive blood culture



48 hours	Antimicrobial susceptibility results available
72 hours	Add on susceptibility tests results available (e.g., colistin)

Nanopore Real-Time Analysis

12-16 hours	Blood culture positive Gram-stain results available
13-17 hours	MALDI-TOF MS organism identification
24 hours	Growth from subculture of positive blood culture
27 hours	DNA extraction completed
30 hours	Library preparation completed and sequencing starts
32 hours	Real-time analysis of acquired AMR genes detected by ARMA

Nanopore Assembly Approach

12-16 hours	Blood culture positive Gram-stain results available
13-17 hours	MALDI-TOF MS organism identification
24 hours	Growth from subculture of positive blood culture
27 hours	DNA extraction completed
30 hours	Library preparation completed and sequencing starts
38 hours	Rapid genome assembly and acquired and chromosomal AMR genes detected