

In-house Blood Bag Production Initiative Cost Analysis

<b>Material Cost</b>	<b>Item</b>	<b>Count</b>
<b>Blood Bags</b>	Terumo BCT INC Teruflex bag 600 mL	100
<b>Impulse Sealer</b>	Uline 4" Impulse Poly Bag Sealer	1
<b>Labels</b>	LD Glossy Sticky Back Photo Paper	100
<b>Toner Cartridge</b>	Black	5500
<b>Fluid</b>	NaCl Irrigation Bag	3 L
<b>Red Color</b>	McCormick Food Coloring	16 oz
<b>Simulated Blood</b>	SimuBleed 1000	19 L

<b>Labor Cost</b>	<b>Hours</b>	<b>Sim Tech (\$20/hr)</b>
<b>Planning</b>	3	\$60.00
<b>Ordering</b>	2	\$40.00
<b>Production</b>	10	\$200.00
<b>Labeling</b>	1	\$20.00
	<b>Total</b>	\$320.00
	<b>Labor Cost Per Bag</b>	\$3.20

Assume: This production would be 100 blood bags.

<b>Total Cost</b>	<b>Sim Tech Produced</b>	<b>Non Sim Tech Produced</b>
<b>Food Coloring and Saline</b>	\$10.99	\$10.03
<b>Simubleed</b>	\$12.75	\$11.79

Cost	Per Unit	Distributor	Catalog Number
\$595.00	\$5.95	Fisher Scientific	NC0378434
\$63.00	\$0.63	Uline	H-458
\$17.99	\$0.18	Amazon	HYPSTICK100
\$149.99	\$0.03	N/A	N/A
\$5.05	\$0.84	Baxter	2B7127
\$7.79	\$0.16	Amazon	52100306506
<b>Total Material Cost Per Bag</b>	<b>\$7.79</b>		
\$210.00	\$2.76	Spectra Group	SIMUBLEED
<b>Total Material Cost Per Bag</b>	<b>\$9.55</b>		

Non-Sim Tech (\$14/hr)
\$42.00
\$28.00
\$140.00
\$14.00
\$224.00
\$2.24

Commercial
\$16.95
\$16.95

Key
Food Coloring Option
Simulated Blood Option