

DoseEdge

October, 2012

What is it? Limitations?

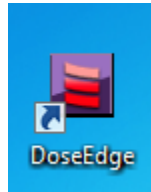
- A system to improve patient safety in preparing IV solutions, reducing waste, and improved nurse tracking (minimizing telephone calls to get IV's)
- Right now, this system is unavailable to float nurses, or nurses not permanently assigned to a unit due to HIPAA concerns
- Will not be available on units that are not a location in Cerner, ex OR, PACU, Dialysis, Cath lab

Why?

- This is a means to provide communication and transparency to nursing as to the process of IV medications being prepared.
- This is also a means to reduce the number of telephone calls from nursing.
- The times on the screen are the administration times identified in Cerner, so if it requires changing, send a MedRequest.

Accessing DoseEdge

From your computer desktop, double click the icon displayed below



Enter e-mail User Name and Password

File Edit View Favorites Tools Help

★ Favorites | ★ Get more Add-ons ▼

DoseEdge

DOSEEDGE[®] Aultman Health Foundation User: [LogOut](#) | [Help](#) | [Support](#) Baxa

Please Login

User Name:

Password:

Login

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DOSEEDGE[®]
Pharmacy Workflow Manager

DoseEdge® version 2.0.3 (DoseEdge v2012.1.3 - 2012-08-13 18:13:56 Account#: 10476)

DoseEdge® is not intended to replace the knowledge, judgment or expertise of pharmacists and pharmacy technicians in the preparation of IV admixtures and oral doses. DoseEdge is a software system intended to improve and document workflow in your pharmacy, and help in reducing opportunities for errors. While the software can provide guidance that assists the pharmacist or technician in proper preparation of IV admixtures and oral doses, it cannot, and does not, make any decision regarding dose preparation or assure that the personnel use correct technique or prepare doses in the proper order. Pharmacists and technicians are expected to use DoseEdge in combination with proper training, supplies and techniques and to assume responsibility for the doses they prepare. Baxa Corporation and its suppliers disclaim all liability arising from the failure of the pharmacist or technician to use the proper standard of care in the preparation and handling of IV admixtures and oral doses. Use of the DoseEdge service and all related software is subject to all of the terms and conditions of your institution's DoseEdge Service Agreement. Patent: 7,096,212

Select “View Status Board”

DOSEEDGE

Aultman Health Foundation

User:
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Use	Manage
<div>Track</div> <div>Situation Board View status board</div> <div>Report</div>	

The Status Board

Various stages of IV preparation

DOSEEDGE Aultman Health Foundation			MA5 Status Board		Baxa
MA5 Status Board			Dose Legend: DC, Stat, First Dose, Dilution, Stock, Batch (Minutes indicate time the dose is in this state)		
MedRequest 1 hr before needed (Total: 1)		Doses Waiting to be Prepared (Total: 3)		Doses in Process (Total: 0)	
SW 640 Minutes hydromorphone 10mg (MA5 - 5556-A), PatientID:		DI 42 Minutes acetaminophen 1,000mg (MA5 - 5524-A), PatientID: Admin:00:00			
		HUM 42 Minutes acetaminophen 1,000mg (MA5 - 5504-A), PatientID: Admin:00:00			
		ROS 42 Minutes acetaminophen 1,000mg (MA5 - 5566-A), PatientID: Admin:00:00			
Doses Waiting for Final Label (Total: 3)		Doses Ready for Delivery (Total: 19)		Doses Delivered to MA5 (Total: 10)	
BE 15 Minutes ceFAZolin 1g (MA5 - 5570-A), PatientID: Admin:23:00		ADK 4 Minutes ampicillin-sulbactam 3g,0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID: Admin:00:00		BUR 324 Minutes ceFAZolin 1g (MA5 - 5562-A), PatientID: Admin:10:00	
KE 18 Minutes ceFAZolin 2g (MA5 - 5510-A), PatientID: Admin:00:30		ADK 118 Minutes vancomycin 1g (MA5 - 5530-A), PatientID: Admin:21:00		HIL 123 Minutes calcium gluconate 1,000mg,Sodium Chloride 0.9% Soln 50mL (MA5 - 5512-A), PatientID: Admin:13:15	
THA 17 Minutes ceFAZolin 1g (MA5 - 5552-A), PatientID: Admin:00:00		ADK 119 Minutes ampicillin-sulbactam 3g,0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID: Admin:18:00		HIL 261 Minutes dextrose 5% in 0.45% nacl 1,000mL,potassium chloride 20mEq (MA5 - 5512-A), PatientID: Admin:11:16	
		BEN 112 Minutes clindamycin 600mg,Dextrose 5% in Water Addva 50mL (MA5 - 5502-A), PatientID: Admin:18:00		JOH 240 Minutes vancomycin 1.25g,Sodium Chloride 0.9% 250mL (MA5 - 5518-A), PatientID: Admin:12:00	
		BER 92 Minutes Lactated Ringers 1,000mL,potassium chloride 20mEq (MA5 - 5528-A),		KEL 144 Minutes ceFAZolin 2g (MA5 - 5510-A), PatientID: Admin:16:30	

What do the boxes mean?

Box 1

DOSEEDGE Aultman Health Foundation			Freeze Updates		MA5 Status Board	Baxa
MA5 Status Board			Dose Legend: DC, Stat, First Dose, Dilution, Stock, Batch (Minutes indicate time the dose is in this state)			
MedRequest 1 hr before needed (Total: 1)		Doses Waiting to be Prepared (Total: 3)		Doses in Process (Total: 0)		
<div> <div>SW [REDACTED] 640 Minutes</div> <div>hydromorphone 10mg (MA5 - 5556-A), PatientID: [REDACTED]</div> </div>		<div> <div>DI [REDACTED]</div> <div>acetaminophe Admin:00:00</div> </div> <div> <div>HUM [REDACTED]</div> <div>acetaminophe Admin:00:00</div> </div> <div> <div>ROS [REDACTED]</div> <div>acetaminophe Admin:00:00</div> </div>				
Doses Waiting for Final Label (Total: 3)		Doses Ready for Delivery (Total: 19)		Doses Delivered to MA5 (Total: 10)		
<div> <div>BE [REDACTED] 15 Minutes</div> <div>ceFAZolin 1g (MA5 - 5570-A), PatientID: [REDACTED] Admin:23:00</div> </div>		<div> <div>ADK [REDACTED] 4 Minutes</div> <div>ampicillin-sulbactam 3g,0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID: [REDACTED] Admin:00:00</div> </div>		<div> <div>BUR [REDACTED] 324 Minutes</div> <div>ceFAZolin 1g (MA5 - 5562-A), PatientID: [REDACTED] Admin:10:00</div> </div>		
<div> <div>KEL [REDACTED] 18 Minutes</div> <div>ceFAZolin 2g (MA5 - 5510-A), PatientID: [REDACTED] Admin:00:30</div> </div>		<div> <div>ADK [REDACTED] 118 Minutes</div> <div>vancomycin 1g (MA5 - 5530-A), PatientID: [REDACTED] Admin:21:00</div> </div>		<div> <div>HIL [REDACTED] 123 Minutes</div> <div>calcium gluconate 1,000mg,Sodium Chloride 0.9% Soln 50mL (MA5 - 5512-A), PatientID: [REDACTED] Admin:13:15</div> </div>		
<div> <div>THA [REDACTED] 17 Minutes</div> <div>ceFAZolin 1g (MA5 - 5552-A), PatientID: [REDACTED] Admin:00:00</div> </div>		<div> <div>ADK [REDACTED] 119 Minutes</div> <div>ampicillin-sulbactam 3g,0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID: [REDACTED] Admin:18:00</div> </div>		<div> <div>HIL [REDACTED] 261 Minutes</div> <div>dextrose 5% in 0.45% nacl 1,000mL,potassium chloride 20mEq (MA5 - 5512-A), PatientID: [REDACTED] Admin:11:16</div> </div>		
		<div> <div>BEN [REDACTED] 112 Minutes</div> <div>clindamycin 600mg,Dextrose 5% in Water Addva 50mL (MA5 - 5502-A), PatientID: [REDACTED] Admin:18:00</div> </div>		<div> <div>JOH [REDACTED] 240 Minutes</div> <div>vancomycin 1.25g,Sodium Chloride 0.9% 250mL (MA5 - 5518-A), PatientID: [REDACTED] Admin:12:00</div> </div>		
		<div> <div>BER [REDACTED] 92 Minutes</div> <div>Lactated Ringers 1,000mL,potassium chloride 20mEq (MA5 - 5528-A),</div> </div>		<div> <div>KEL [REDACTED] 144 Minutes</div> <div>ceFAZolin 2g (MA5 - 5510-A), PatientID: [REDACTED] Admin:16:30</div> </div>		

The upper left box indicates items that will need to be Med Requested in CERNER! These items typically are titratable, narcotics, or items with short stability. We ask that you order at least 1 hour prior to you needing it. Note, you can see the patient name, the IV product, the room number, patient ID, and the expected administration time.

What do the boxes mean?

Box 2

DOSEEDGE		Aultman Health Foundation		Freeze Updates		MA5 Status Board		Baxa											
MA5 Status Board										Dose Legend:DC, Stat, First Dose, Dilution, Stock, Batch (Minutes indicate time the dose is in this state)									
MedRequest 1 hr before needed (Total: 1)					Doses Waiting to be Prepared (Total: 3)					Doses in Process (Total: 0)									
SW 640 Minutes hydromorphone 10mg (MA5 - 5556-A), PatientID:					DI 42 Minutes acetaminophen 1,000mg (MA5 - 5524-A), PatientID: Admin:00:00														
					HUM 42 Minutes acetaminophen 1,000mg (MA5 - 5504-A), PatientID: Admin:00:00														
					ROS 42 Minutes acetaminophen 1,000mg (MA5 - 5566-A), PatientID: Admin:00:00														
Doses Waiting for Final Label (Total: 3)					Doses Ready for Delivery (Total: 19)					Doses Delivered to MA5 (Total: 10)									
BE 15 Minutes ceFAZolin 1g (MA5 - 5570-A), PatientID: Admin:23:00					ADK 324 Minutes ampicillin-sul A), PatientID: Admin:10:00					324 Minutes Admin:10:00									
KEI 18 Minutes ceFAZolin 2g (MA5 - 5510-A), PatientID: Admin:00:30					ADK 123 Minutes vancomycin 1g (MA5 - 5530-A), PatientID: Admin:21:00					123 Minutes 0.9% Soln 50mL (MA5 - 5512- Admin:13:15									
THA 17 Minutes ceFAZolin 1g (MA5 - 5552-A), PatientID: Admin:00:00					ADK 119 Minutes ampicillin-sulbactam 3g,0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID: Admin:18:00					HIL 261 Minutes dextrose 5% in 0.45% nacl 1,000mL,potassium chloride 20mEq (MA5 - 5512-A), PatientID: Admin:11:16									
					BEN 112 Minutes clindamycin 600mg,Dextrose 5% in Water Addva 50mL (MA5 - 5502-A), PatientID: Admin:18:00					JOH 240 Minutes vancomycin 1.25g,Sodium Chloride 0.9% 250mL (MA5 - 5518-A), PatientID: Admin:12:00									
					BER 92 Minutes Lactated Ringers 1,000mL,potassium chloride 20mEq (MA5 - 5528-A),					KEL 144 Minutes ceFAZolin 2g (MA5 - 5510-A), PatientID: Admin:16:30									

The upper middle box indicates items currently in the queue to be prepared. The time indicates how long those orders have been in that status as well.

What do the boxes mean?

Box 3

DOSEEDGE [™]		Aultman Health Foundation		Freeze Updates	MA5 Status Board	Baxa
MA5 Status Board						
Dose Legend:DC, Stat, First Dose, Dilution, Stock, Batch (Minutes indicate time the dose is in this state)						
MedRequest 1 hr before needed (Total: 1)		Doses Waiting to be Prepared (Total: 3)		Doses in Process (Total: 0)		
SW [REDACTED] 640 Minutes hydromorphone 10mg (MA5 - 5556-A), PatientID: [REDACTED]		DI [REDACTED] 42 Minutes acetaminophen 1,000mg (MA5 - 5524-A), PatientID: [REDACTED], Admin:00:00				
		HUM [REDACTED] 42 Minutes acetaminophen 1,000mg (MA5 - 5504-A), PatientID: [REDACTED], Admin:00:00				
		ROS [REDACTED] 42 Minutes acetaminophen 1,000mg (MA5 - 5566-A), PatientID: [REDACTED], Admin:00:00				
Doses Waiting for Final Label (Total: 3)		Doses Ready for Delivery (Total: 19)		Doses Delivered to MA5 (Total: 10)		
BE [REDACTED] 15 Minutes ceFAZolin 1g (MA5 - 5570-A), PatientID: [REDACTED] Admin:23:00		ADK [REDACTED] 4 Minutes ampicillin-A), PatientID: [REDACTED] Admin:18:00		BUR [REDACTED] 324 Minutes [REDACTED] Admin:10:00		
KEI [REDACTED] 18 Minutes ceFAZolin 2g (MA5 - 5510-A), PatientID: [REDACTED] Admin:00:30		ADK [REDACTED] vancomycin		[REDACTED] 123 Minutes ide 0.9% Soln 50mL (MA5 - 5512-15)		
THA [REDACTED] 17 Minutes ceFAZolin 1g (MA5 - 5552-A), PatientID: [REDACTED] Admin:00:00		ADK [REDACTED] 119 Minutes ampicillin-sulbactam 3g,0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID: [REDACTED] Admin:18:00		HIL [REDACTED] 261 Minutes dextrose 5% in 0.45% nacl 1,000mL,potassium chloride 20mEq (MA5 - 5512-A), PatientID: [REDACTED] Admin:11:16		
		BEN [REDACTED] 112 Minutes clindamycin 600mg,Dextrose 5% in Water Addva 50mL (MA5 - 5502-A), PatientID: [REDACTED] Admin:18:00		JOH [REDACTED] 240 Minutes vancomycin 1.25g,Sodium Chloride 0.9% 250mL (MA5 - 5518-A), PatientID: [REDACTED] Admin:12:00		
		BER [REDACTED] 92 Minutes Lactated Ringers 1,000mL,potassium chloride 20mEq (MA5 - 5528-A),		KEL [REDACTED] 144 Minutes ceFAZolin 2g (MA5 - 5510-A), PatientID: [REDACTED] Admin:16:30		

The upper right box indicates items currently being prepared. The time indicates how long those orders have been in that status as well.

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What's going on?

The technician preparing the IV is required to scan each component and take a picture of the intermediate steps.

Required Ingredients:		
Ingredient	Scanned	Needed
clindamycin	0 mg	600 mg
Dextrose 5% in Water Addva	0 mL	50 mL

Prepare [1 of 1](#)

Scan



Scan - any ingredient label.


clindamycin	600 mg	600 mg
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clindamycin 150 mg/mL 4mL (Hospira Inc) #2	4 mL
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Dextrose 5% in Water Addva	50 mL	50 mL
----------------------------	-------	-------

Dextrose 5% in Water 50mL (Hospira Inc)	50 mL
---	-------



-  Apply label to Dose.
-  Acquire dose volume from
-  Capture image of product vial(s))
[Display all images](#)
-  Inject Drawn-Up Syringe
-  Capture image of complete
[Display all images](#)
-  Scan barcode label on c

What do the boxes mean?

Box 4

DOSEEDGE

Aultman Health Foundation

Freeze Updates

MA5 Status Board

Baxa

MA5 Status Board

Dose Legend:DC, Stat, First Dose, Dilution, Stock, Batch (Minutes indicate time the dose is in this state)

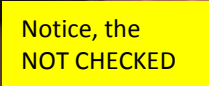
MedRequest 1 hr before needed (Total: 1)	Doses Waiting to be Prepared (Total: 3)	Doses in Process (Total: 0)
<div>SW 640 Minutes hydromorphone 10mg (MA5 - 5556-A), PatientID: </div>	<div>DI 42 Minutes acetaminophen 1,000mg (MA5 - 5524-A), PatientID: Admin:00:00</div> <div>HUM 42 Minutes acetaminophen 1,000mg (MA5 - 5504-A), PatientID: Admin:00:00</div> <div>ROS 42 Minutes acetaminophen 1,000mg (MA5 - 5566-A), PatientID: Admin:00:00</div>	

Doses Waiting for Final Label (Total: 3)	Doses Ready for Delivery (Total: 19)	Doses Delivered to MA5 (Total: 10)
<div>BE 15 Minutes ceFAZolin 1g (MA5 - 5570-A), PatientID: Admin:23:00</div> <div>KEI 18 Minutes ceFAZolin 2g (MA5 - 5510-A), PatientID: Admin:00:30</div> <div>THA 17 Minutes ceFAZolin 1g (MA5 - 5552-A), PatientID: Admin:00:00</div>	<div>ADK 324 Minutes ampicillin (MA5 - 5512-A), PatientID: Admin:10:00</div> <div>ADK 123 Minutes vancomycin 1.25g,Sodium Chloride 0.9% Soln 50mL (MA5 - 5512-A), PatientID: Admin:15:15</div> <div>ADK 261 Minutes ampicillin (MA5 - 5512-A), PatientID: Admin:16:16</div> <div>BEN 112 Minutes clindamycin 600mg,Dextrose 5% in Water Addva 50mL (MA5 - 5502-A), PatientID: Admin:18:00</div> <div>BER 92 Minutes Lactated Ringers 1,000mL,potassium chloride 20mEq (MA5 - 5528-A), PatientID: Admin:16:30</div>	<div>JOH 240 Minutes vancomycin 1.25g,Sodium Chloride 0.9% 250mL (MA5 - 5518-A), PatientID: Admin:12:00</div> <div>KEL 144 Minutes ceFAZolin 2g (MA5 - 5510-A), PatientID: Admin:16:30</div>

The lower left box indicates that the IV has been verified by a pharmacist but is waiting for the final barcoded label. Two barcodes are applied, one for Cerner scanning (left) and one for pharmacy scanning (delivery status). The time indicates how long those orders have been in that status as well.

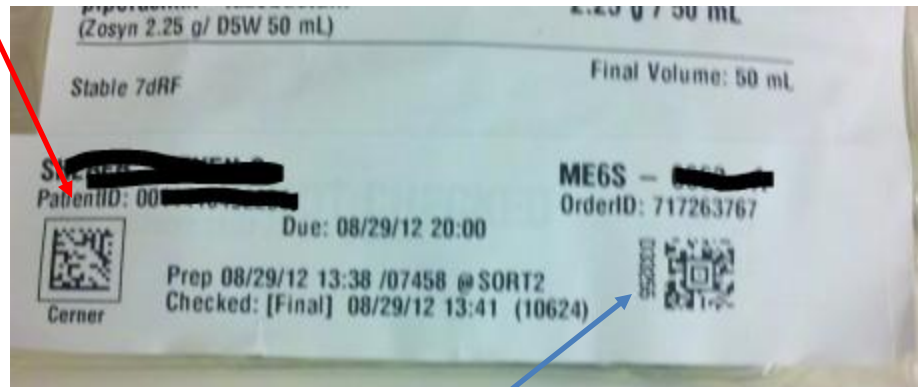
The lower left box indicates that the IV has been verified by a pharmacist but is waiting for the final barcoded label. Two barcodes are applied, one for Cerner scanning (left) and one for pharmacy scanning (delivery status). The time indicates how long those orders have been in that status as well.

Final picture – if you receive a product with NOT CHECKED, return to Pharmacy



2 barcodes on final label

- Cerner scan



- Pharmacy scan

What do the boxes mean?

Box 5

DOSEEDGE

Aultman Health Foundation

Freeze Updates

MA5 Status Board



MA5 Status Board

Dose Legend: DC, Stat, First Dose, Dilution, Stock, Batch (Minutes indicate time the dose is in this state)

MedRequest 1 hr before needed (Total: 1)

SW [redacted] 640 Minutes
hydromorphone 10mg (MA5 - 5556-A), PatientID: [redacted]

Doses Waiting to be Prepared (Total: 3)

DI [redacted] 42 Minutes

acetaminophen 1,000mg (MA5 - 5524-A), PatientID: [redacted]
Admin:00:00

The lower middle box indicates that the IV is ready and waiting to be delivered or tubed. The time indicates how long those orders have been in that status as well.

Doses in Process (Total: 0)

Doses Waiting for Final Label (Total: 3)

BE [redacted] 15 Minutes
ceFAZolin 1g (MA5 - 5570-A), PatientID: [redacted] Admin:23:00

KE [redacted] 18 Minutes
ceFAZolin 2g (MA5 - 5510-A), PatientID: [redacted] Admin:00:30

THA [redacted] 17 Minutes
ceFAZolin 1g (MA5 - 5552-A), PatientID: [redacted] Admin:00:00

Doses Ready for Delivery (Total: 19)

ADK [redacted] 4 Minutes
ampicillin-sulbactam 3g, 0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID: [redacted] Admin:00:00

ADK [redacted] 118 Minutes
vancomycin 1g (MA5 - 5530-A), PatientID: [redacted] Admin:21:00

ADK [redacted] 119 Minutes
ampicillin-sulbactam 3g, 0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID: [redacted] Admin:18:00

BEN [redacted] 112 Minutes
clindamycin 600mg, Dextrose 5% in Water Addva 50mL (MA5 - 5502-A), PatientID: [redacted] Admin:18:00

BER [redacted] 92 Minutes
Lactated Ringers 1,000mL, potassium chloride 20mEq (MA5 - 5528-A), PatientID: [redacted] Admin:00:00

Doses Delivered to MA5 (Total: 10)

BUR [redacted] 324 Minutes
ceFAZolin 1g (MA5 - 5562-A), PatientID: [redacted] Admin:10:00

HIL [redacted] 123 Minutes
calcium gluconate 1,000mg, Sodium Chloride 0.9% Soln 50mL (MA5 - 5512-A), PatientID: [redacted] Admin:13:15

HIL [redacted] 261 Minutes
dextrose 5% in 0.45% nacl 1,000mL, potassium chloride 20mEq (MA5 - 5512-A), PatientID: [redacted] Admin:11:16

JOH [redacted] 240 Minutes
vancomycin 1.25g, Sodium Chloride 0.9% 250mL (MA5 - 5518-A), PatientID: [redacted] Admin:12:00

KE [redacted] 144 Minutes
ceFAZolin 2g (MA5 - 5510-A), PatientID: [redacted] Admin:16:30

What do the boxes mean?

Box 6

DOSEEDGE [™]		Aultman Health Foundation		Freeze Updates		MA5 Status Board		Baxa									
MA5 Status Board									Dose Legend:DC, Stat, First Dose, Dilution, Stock, Batch (Minutes indicate time the dose is in this state)								
MedRequest 1 hr before needed (Total: 1)			Doses Waiting to be Prepared (Total: 3)			Doses in Process (Total: 0)											
SW [redacted] 640 Minutes hydromorphone 10mg (MA5 - 5556-A), PatientID: [redacted]			DI [redacted] 42 Minutes acetaminophen 1,000mg (MA5 - 5524-A), PatientID: [redacted]														

ScanEvents

- Tubed (with time tubed)

General Dose

General Dose Data | Notes | Other Items | Products and Procedures | **ScanEvents** | Label History | Disposition/Requeue | Parsing | Docs

Last ScanEvent: **Tubed**

Text	Time Stamp	Counter
Tubed	2012-08-30 11:17:49	1
TUBE	2012-08-30 11:09:18	1

Scan Logs

Entered	Event	User	Wkstn	Mode
2012-08-30 11:17:49	Tubed	Kimberly D Barkheimer	Mobile5	Workstation
2012-08-30 11:09:18	Pharmacy Depart			Triggered
2012-08-30 11:06:45	Dose Verifed			Triggered

- Or Delivered (with time delivered)

General Dose Data | Notes | Other Items | Products and Procedures | **ScanEvents** | Label History | Disposition/Requeue | Parsing | Docs

Last ScanEvent: **ME4E-A - Refrig**

Text	Time Stamp	Counter
ME4E-A - Refrig	2012-08-30 10:10:09	1
ARRIVE	2012-08-30 07:18:28	1

Scan Logs

Entered	Event	User	Wkstn	Mode
2012-08-30 10:10:09	ME4E-A - Refrig	Cynthia C. Kovack	Mobile2	Workstation
2012-08-30 07:18:28	Pharmacy Depart			Triggered

Questions

- Refer any questions to:
 - Jim Toohey, M.S., R.Ph.
 - jtoohey@aultman.com
 - 3-2877