

“Something For Every Laboratory: What Works For Me”



Black River Falls, WI
Heather Moll, MT (ASCP)





- 25 Bed Critical Access Hospital
- Serve Jackson County and surrounding areas, including Black River Falls, Sparta, Tomah, Neillsville, Eau Claire, and La Crosse



- 24/7 laboratory
- Staffed with 1 LUC and 12 techs: 7 MTs and 5 MLTs – 2 taking online courses to become MT
- All techs generalists
- Accredited by The Joint Commission

“UNIQUE” CHALLENGES

- Independent – Lack of funding
- Most molecular tests sent-out
- However, molecular best option for some tests in regards to
 - Patient safety
 - Infection prevention
 - Quality outcomes



JUSTIFICATION

Meet with CMO and CFO

- Financial Outcomes

- Initial set-up, Reagents, Quality Control, Tech Time, Service, Proficiencies

- Quality Outcome

- Patient safety, infection prevention, turnaround time, sensitivity vs specificity

- Charging and reimbursement



Cepheid's GeneXpert

- MRSA
- C. diff
- CT/NG
- Flu
- GBS



Closed System

TURNAROUND TIME

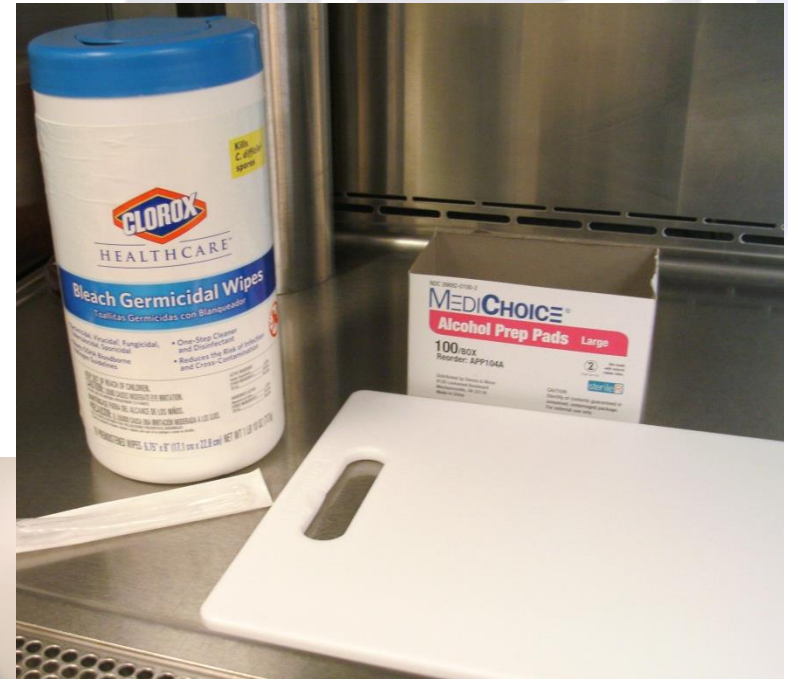
- MRSA ~ 1 hour 10 minutes
- C. diff ~ 45 minutes
- CT/NG ~ 1 hour 30 minutes
- Flu ~ 1 hour 15 minutes
- GBS ~ 55 minutes



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LIMITING CONTAMINATION

- Closed system
- Education
- Procedures
- Competencies



VERIFICATION AND CONTROLS

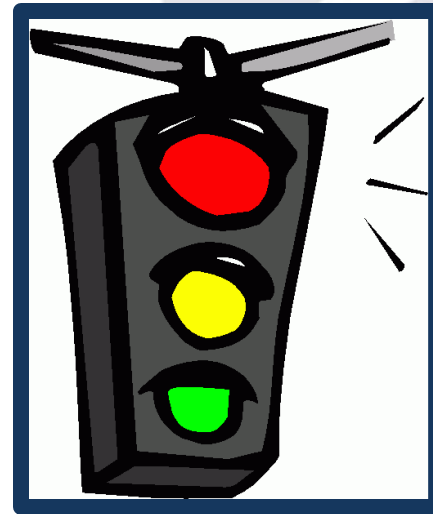
- Verification
 - Validate with Cepheid's Starter Pack
 - Comparison studies
- QC
 - New lot or shipment
 - Monthly



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TEST ANNOUNCEMENTS!

- Memo to each physician
- Stoplight Report
- Physician's Newsletter



		Positive				% Positive							
		Total	A, CT, +	B, NG	H1N1								
Jan	Flu	88	28	2	0	34.09	Jul	Flu	1	0	0	0	0.00
	MRSA	38	5	0	0	13.16		MRSA	27	5	0	0	18.52
	C. Diff	9	0	0	0	0.00		C. Diff	6	2	0	0	33.33
	CT/NG	11	0	0	0	0.00		CT/NG	16	0	0	0	0.00
	GBS	3	0	0	0	0.00		GBS	8	0	0	0	0.00
Feb	Flu	36	2	7	0	25.00	Aug	Flu	2	0	0	0	0.00
	MRSA	33	4	0	0	12.12		MRSA	23	2	0	0	8.70
	C. Diff	6	1	0	0	16.67		C. Diff	9	1	0	0	11.11
	CT/NG	7	0	0	0	0.00		CT/NG	11	1	0	0	9.09
	GBS	3	0	0	0	0.00		GBS	4	0	0	0	0.00
Mar	Flu	37	2	3	0	13.51	Sep	Flu	8	0	0	0	0.00
	MRSA	27	5	0	0	18.52		MRSA	19	1	0	0	5.26
	C. Diff	4	0	0	0	0.00		C. Diff	5	1	0	0	20.00
	CT/NG	5	0	0	0	0.00		CT/NG	9	0	0	0	0.00
	GBS	8	1	0	0	12.50		GBS	4	0	0	0	0.00
Apr	Flu	12	0	1	0	8.33	Oct	Flu	7	0	0	0	0.00
	MRSA	30	5	0	0	16.67		MRSA	23	6	0	0	26.09
	C. Diff	13	0	0	0	0.00		C. Diff	6	0	0	0	0.00
	CT/NG	3	0	0	0	0.00		CT/NG	10	3	0	0	30.00
	GBS	5	0	0	0	0.00		GBS	2	0	0	0	0.00
May	Flu	3	0	1	0	33.33	Nov	Flu	13	0	0	0	0.00
	MRSA	32	3	0	0	9.38		MRSA	23	2	0	0	8.70
	C. Diff	8	4	0	0	50.00		C. Diff	7	2	0	0	28.57
	CT/NG	14	0	0	0	0.00		CT/NG	14	2	0	0	14.29
	GBS	2	1	0	0	50.00		GBS	3	0	0	0	0.00
Jun	Flu	0	0	0	0	0.00	Dec	Flu	7	0	0	0	0.00
	MRSA	28	2	0	0	7.14		MRSA	22	2	0	0	9.09
	C. Diff	6	0	0	0	0.00		C. Diff	11	0	0	0	0.00
	CT/NG	11	0	0	0	0.00		CT/NG	18	2	0	0	11.11
	GBS	1	0	0	0	0.00		GBS	5	2	0	0	40.00



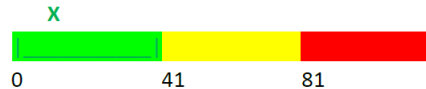
Individualized Quality Control Plan Summary Report

BLACK RIVER MEMORIAL HOSPITAL CLIA ID:
711 WEST ADAMS STREET
BLACK RIVER FALLS , WI 54615
TIM VUE
Xpert MRSA
12/30/15

Overall weighted risk score: **10**

Key

- 0-40 = LOW risk
- 41-80 = MODERATE risk
- >= 81 = HIGH risk



Low risk: Based upon the information you have provided during the risk assessment process, your potential risk for this test in your lab is relatively low. You have implemented procedures to reduce the risk to a manageable level. With the Lab Director's approval, the manufacturer's QC requirements may be sufficient for your laboratory, along with the procedures you routinely perform, as indicated in this risk assessment, to reduce risk in all phases of testing.

Monitor and review QC results per your normal procedure, and review your IQCP for effectiveness as required by your regulatory agency. Re-evaluate your IQCP and revise if performance failures have been identified.

THANK YOU!
ANY QUESTIONS?



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