

Assessment of pH methods for MCL waived applications:

On 7/16/2004 we evaluated pHydrion paper (Micro Essential Laboratory, Brooklyn New York), color pHast Indicator strips (EM Science, Gibbstown New Jersey) and Chemstrip 10 (Roche, Indianapolis, IN). All three methods were used to test sixteen amniotic fluids. The pHydrion failed to correlate with the other two methods 50% of the time – always coming out one grade lower. The ColorpHast gave one discrepant result coming out one grade higher than the other two methods.

The Chemstrip correlated, gave the best outcomes and offers advantages of having fixed expiration and lot number reagent control. The Chemstrip is also assessed with external quality controls and is therefore our recommended method for assessing the pH of amniotic fluids.

Sample #	pHydrion No lot number No expiration	Color pHast Lot 00422191 No expiration	Chemstrip Lot 00422191 Exp 2005-09
M58839	8	8	8
M5766	7	8	8
M6261	9	9	9
M12816	8	9	9
M81342	8	9	9
X11044	8	9	9
M12514	8	9	9
M40802	8	9	9
M60030	9	9	9
F60810	8	9	9
S81342	9	9	9
F6944	9	9	9
F55209	9	9	9
T12712	9	9	9
T33773	8	9	8
Failed correlate?	8 of 16	1 of 16	



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1 2 3 4 5 6 7 8 9 10 11 12

