

Results of Supra-National Inter-Laboratory Comparison of Samples from Suspected TB Cases

Laboratory under evaluation: CERMEL

2015-03-13

Supra-National Laboratory: German National Reference Center for Tuberculosis, Borstel

Method:

Ziehl-Neelsen Smear

Dates

2014-02-12 to **2014-12-11**

Sample frame

- Total sample: 243
- CERMEL positives: 51/51
- CERMEL negatives: 192/192

Summary table

CERMEL	Borstel	N
Positive	Positive	43
Negative	Positive	8
Positive	Negative	8
Negative	Negative	184

Discordant table

ID_CERMEL	Date_Specimen	ZN_CERMEL	ZN_Borstel	Culture_Borstel	Date_culture
1405	2014-07-09	neg.	1+	M.africanum	2014-10-10
1433	2014-07-22	1+	neg.	M.tuberculosis	2014-10-09
1438	2014-07-24	2+	neg.	M.africanum	2014-10-14
1442	2014-07-25	neg.	1+	contaminated	2014-09-19
1446	2014-07-25	2+	neg.	M.africanum	2014-11-18
1456	2014-08-14	1+	neg.	M.chelonae-complex	2014-09-09
1462	2014-08-19	3+	1+	M.africanum	2014-10-14
1462	2014-08-19	2+	neg.	negative	2014-10-21
1469	2014-08-21	2	neg.	M.lentiflavum	2014-11-04
1512	2014-09-21	neg.	1+	M.fortuitum-complex	2014-11-18
1513	2014-09-23	neg.	6-10	negative	2014-12-11
1542	2014-10-13	neg.	3+	M.tuberculosis	2015-01-26
1587	2014-05-11	2+	neg.	M.tuberculosis	2015-01-26
1593	2014-11-11	neg.	1+	M.tuberculosis	2015-01-26
1611	2014-11-26	2+	neg.	negative	2015-02-12
1620	2014-02-12	neg.	2+	negative	2015-02-12
1621	2014-02-12	neg.	1+	contaminated	2015-02-12

Accuracy, overall

- Concordant sample N(%): 227 (93%)
- Discordant sample N(%): 16 (7%)
 - False positives N(%): 8 (16%)
 - False negatives N(%): 8 (4%)

Accuracy, most recent quarter (Oct-Dec)

- Total sample: 75
- Concordant sample N(%): 72 (96%)
- Discordant sample N(%): 3 (4%)
 - False positives N(%): 1 (5%)
 - False negatives N(%): 1 (4%)

Tagret accuracy: Percentage discordant samples (5%)

