

Birmingham Quality

UK NEQAS for Faecal Pancreatic Elastase

Laboratory :

Distribution : **120**

Date : 16-Sep-2018

Page 1 of 9

Feedback

Quality Manager  
Pathology Laboratory  
Biochemistry Department  
Town  
County  
Postcode

This Scheme is essentially web-based. We can alert you to information regarding the Scheme via email. The e-mail address (or addresses) we are currently using to contact your laboratory is shown below in red . If no e-mail address is displayed or the information shown is incorrect, please email us with an appropriate contact e-mail address as soon as possible, using the word 'feedback' in the title line.

Based on the date information you have provided, the transit time from specimen dispatch [ ] to receipt [ ] was day(s), and the subsequent time to analysis [ ] in your laboratory was day(s). (Missing values indicate dates not provided. "0 days" represents same day).

Any comments you made to us are shown below and have been acted upon where necessary

Any specific comments applicable only to laboratory are shown below

Any general comments applicable to all laboratories are shown below

Report authorised on Thursday 20 September 2018 by:

Jane French  
Consultant EQA Scientist

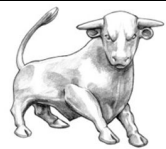


7860

Birmingham Quality is a UKAS accredited proficiency testing provider No. 7860. Please see <http://www.ukas.com> for full details of the accreditation status of our services

**UK NEQAS**  
International Quality Expertise

Birmingham Quality is proud to offer EQA services that adhere to the Code of Practice and have the badge of quality of UK NEQAS



Birmingham Quality

**UK NEQAS for Faecal Pancreatic Elastase**

Laboratory :

Distribution : **120**

Date : 16-Sep-2018

Page 2 of 9

**Participation summary**

**Analytical Performance over the last 6 months (rolling time window of 6 distributions)**

All our time periods are 'rolling' to give you current information.

You may wish to keep you own log of Calendar Year or Financial Year time points if you require 'year-end' statements for your own internal use.

Any analytes with out of consensus performance will be highlighted in red and can be clicked for further details.

You have out of consensus performance for:	<i>None</i>
You have in consensus performance for:	Faecal Elastase
You have no performance data for:	<i>None</i>

**Participation and Return Rates**

This scheme cycle is notionally every four weeks.

Analytically, we assess you over a six month time window (6 Distributions).

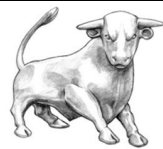
For return rates, late and amended results we assess you over a twelve month period (12 distributions).

	<b>Distributions</b>	<b>Rating</b>	<b>Affected Distributions</b>
Participation	12 distributions out of a possible 12	Satisfactory	
Late Returns	0 distributions from the last 12	Satisfactory	
Amendments	0 distributions accepted from the last 12	Satisfactory	

**Analytical Performance for specimens from distribution 120 only**

You can judge, in association with your IQC and other QA measures, if your current performance is a blip or part of a trend.

Out of consensus for at least one specimen for:	<i>None</i>
In consensus for all specimens for:	Faecal Elastase
You have no specimen %bias etc. for:	<i>None</i>
You are not registered for:	<i>None</i>



Birmingham Quality

Distribution Summary

You will start to see B and C scores, once you have returned sufficient results so that we have 7 scoring specimens. No A scores will be available until we have collated more data. There are currently no B or C limits, once again these will be put in place when we have sufficient data. As many labs often report less than (<) or greater than (>) results, it may not always be possible to calculate rolling time-window scores for them.

	Specimen	Pool	Result	Target	Specimen %bias	B score	C score	B	C
Faecal Elastase (ug/g)	120A	128	133	146.9	-9.5	+8.5	22.1		
	120B	129	329	275.6	+19.4				
	120C	130	496	455.9	+8.8				
FPE Interpretation (N, M or S)	120A	128	M	M					
	120B	129	N	N					
	120C	130	N	N					

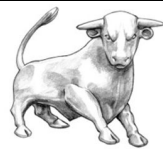
Key to FPE (Faecal Pancreatic Elastase) Interpretation

- N Normal
- M Moderate to Mild Exocrine Pancreatic Insufficiency
- S Severe Exocrine Pancreatic Insufficiency

Where your results appear as "XPL" , it is because you did not report a numerical value / interpretation for that analyte, but you did provide an explanation as to why a result was not reported.

Distribution 121 will be dispatched on 01/10/2018 . Results are due back in Birmingham by, notionally, 23:59 on 14/10/2018. Where your results appear as "XPL", it is because you did not report a numerical value for that analyte, but you did provide an explanation as to why a result was not reported.

You have until the close of Distribution 121 (14/10/2018) to submit late results / request amendments to results for Distribution 120. Please enter any late results or requests to amend non-analytical errors for Distribution 120 on the web under the usual Results button ensuring the correct Distribution number has been selected. You should include your name and a valid reason. Amending results is at the discretion of the Director and is not an automatic entitlement. We are not accepting any further requests to amend results or to change methods for Distribution 119.



Birmingham Quality

# UK NEQAS for Faecal Pancreatic Elastase

Laboratory :

Distribution : **120**

Date : 16-Sep-2018

Page 4 of 9

## Analyte : Faecal Elastase (ug/g)

Spec. Pool Pool description / Treatments / Additions

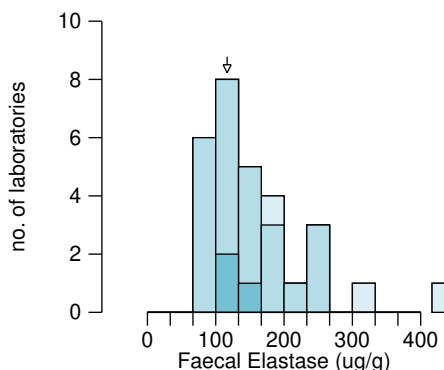
120A	128	Manipulated Human Stool
120B	129	Manipulated Human Stool
120C	130	Human Stool IBD Patient

- All methods
- Immunoassay
- ScheBo stool test [2EB]
- Unknown extraction method

Your B score is +8.5  
 Your C score is 22.1  
 The B limit is +/-  
 The C limit is

### Specimen : 120A

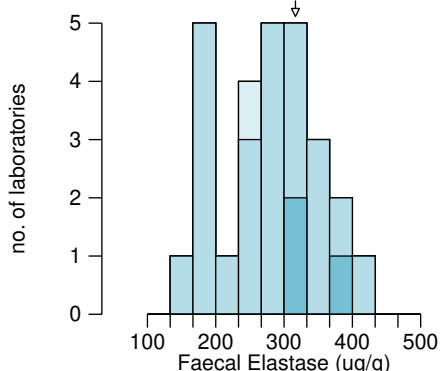
	n	Mean	SD	CV(%)
All methods [ALTM]	29	146.9	60.5	41.1
Immunoassay	29	146.9	60.5	41.1
Bioserv Diagnostics [2RV]	2	362.0		
Bioserv Stool Preparation Kits	2	362.0		
IDK [2IK]	1	175.0		
ScheBo stool test [2EB]	26	137.4	51.9	37.7
Manual Weighing	3	156.3		
ScheBo Master Quick Prep	19	139.5	61.6	44.1
Unknown extraction method	3	132.7		
non-numeric results	1			



Your result 133  
 Target value 146.9 (ALTM)  
 Your Interpretation M  
 Consensus M  
 Standard Uncertainty 15.1  
 Your specimen: %bias -9.5  
 Accuracy Index  
 Method mean 137.4 (ScheBo stool test [2EB])

### Specimen : 120B

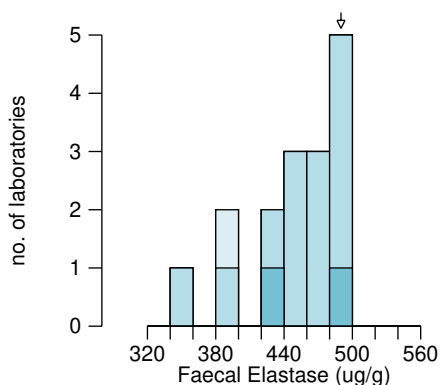
	n	Mean	SD	CV(%)
All methods [ALTM]	27	275.6	80.7	29.3
Immunoassay	27	275.6	80.7	29.3
IDK [2IK]	1	240.0		
ScheBo stool test [2EB]	26	277.2	82.5	29.8
Manual Weighing	3	276.3		
ScheBo Master Quick Prep	19	271.6	78.0	28.7
Unknown extraction method	3	337.7		
non-numeric results	3			



Your result 329  
 Target value 275.6 (ALTM)  
 Your Interpretation N  
 Consensus N  
 Standard Uncertainty 21.0  
 Your specimen: %bias +19.4  
 Accuracy Index  
 Method mean 277.2 (ScheBo stool test [2EB])

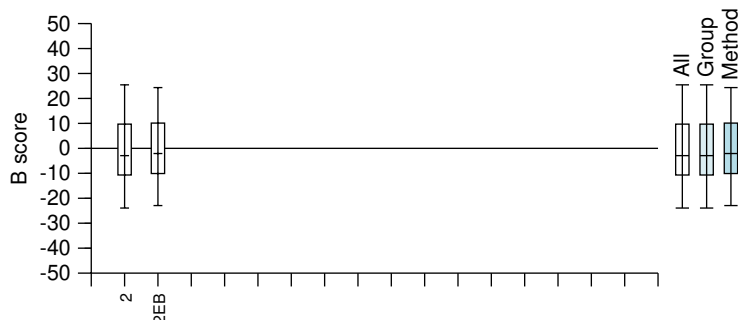
### Specimen : 120C

	n	Mean	SD	CV(%)
All methods [ALTM]	16	455.9	41.0	9.0
Immunoassay	16	455.9	41.0	9.0
IDK [2IK]	1	394.0		
ScheBo stool test [2EB]	15	460.6	35.9	7.8
Manual Weighing	1	464.0		
ScheBo Master Quick Prep	11	458.8	41.3	9.0
Unknown extraction method	2	464.0		
non-numeric results	14			



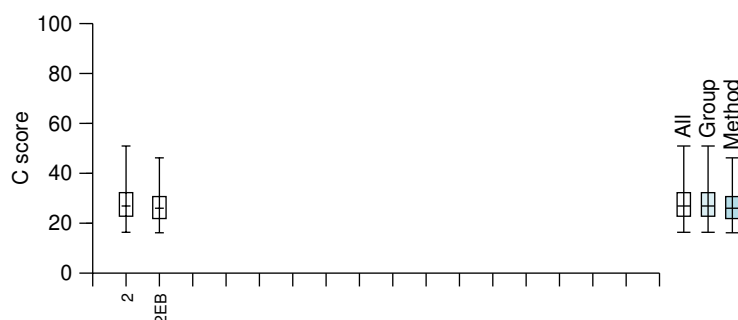
Your result 496  
 Target value 455.9 (ALTM)  
 Your Interpretation N  
 Consensus N  
 Standard Uncertainty 13.7  
 Your specimen: %bias +8.8  
 Accuracy Index  
 Method mean 460.6 (ScheBo stool test [2EB])

Faecal Elastase Median and IQRs of B scores



P:BWABCBP

Faecal Elastase Median and IQRs of C scores

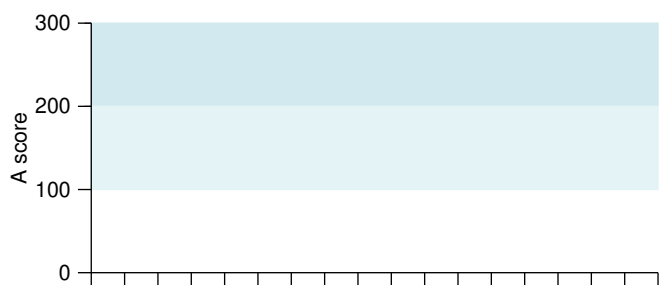


P:BWABCBP



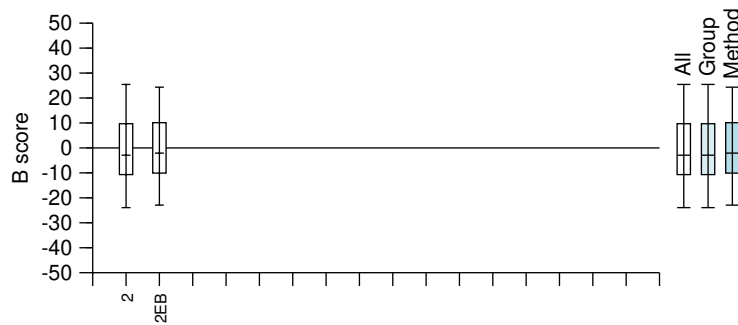
Pool (exclusion) [Type]	Distribution 115 08-Apr-2018			Distribution 116 06-May-2018			Distribution 117 10-Jun-2018			Distribution 118 15-Jul-2018			Distribution 119 12-Aug-2018			Distribution 120 16-Sep-2018		
	result	target	%bias	result	target	%bias	result	target	%bias	result	target	%bias	result	target	%bias	result	target	%bias
(132) 121 133 108 141 <b>128</b> 107 106 <b>129</b> 122 136 120 <b>130</b> 131																		
	75	89.0	-15.7	156	136.9	+13.9	89	64.7	+37.6	193	64.2	+200.8	10	23.4	-57.3			
	380	138.1	+175.2				152	141.6	+7.3				331	345.2	-4.1	133	146.9	-9.5
	486	408.0	+19.1	284	275.5	+3.1	269	237.7	+13.2				>500	433.6		329	275.6	+19.4
				479	446.1	+7.4				480	560.5	-14.4				496	455.9	+8.8
Method mean	2EB		+59.5	2EB		+8.1	2EB		+19.4	2EB		+93.2	2EB		-30.7	2EB		+6.2
B score	+16.5			+14.2			+15.2			+19.5			+18.5			+8.5		
C score	40.0			37.9			31.0			36.8			35.9			22.1		

Median and IQRs of A scores



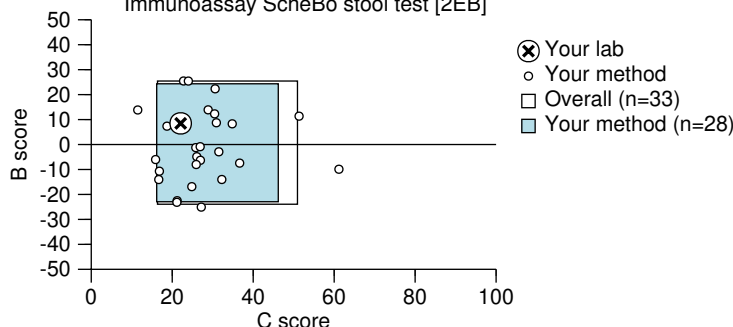
P-BWABCAT

Faecal Elastase Median and IQRs of B scores



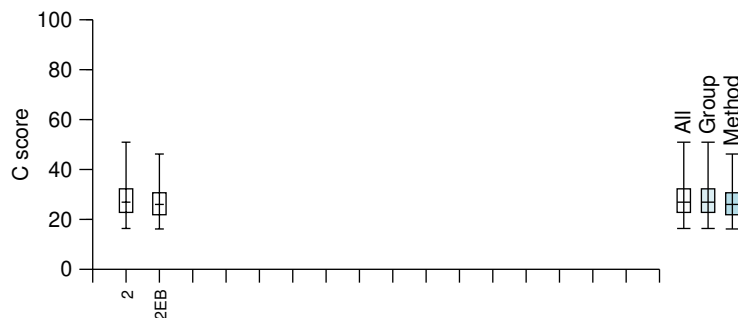
P-BWABCBR

Faecal Elastase B score is +8.5 and C score is 22.1  
Immunoassay ScheBo stool test [2EB]

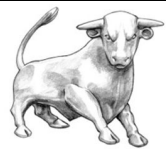


P-ABCPEUR

Faecal Elastase Median and IQRs of C scores



P-BWABCCR



Birmingham Quality

**UK NEQAS for Faecal Pancreatic Elastase**

Laboratory :

Distribution : **120**

Date : 16-Sep-2018

Page 6 of 9

Analyte : Faecal Elastase (ug/g)

	n	120A			120B			120C		
		Mean	SD	CV(%)	Mean	SD	CV(%)	Mean	SD	CV(%)
All methods [ALTM]	29	146.9	60.5	41.1	275.6	80.7	29.3	455.9	41.0	9.0
Immunoassay	29	146.9	60.5	41.1	275.6	80.7	29.3	455.9	41.0	9.0
Bioserv Diagnostics [2RV]	2	362.0								
Bioserv Stool Preparation Kits	2	362.0								
IDK [2IK]	1	175.0			240.0			394.0		
ScheBo stool test [2EB]	26	137.4	51.9	37.7	277.2	82.5	29.8	460.6	35.9	7.8
Manual Weighing	3	156.3			276.3			464.0		
ScheBo Master Quick Prep	19	139.5	61.6	44.1	271.6	78.0	28.7	458.8	41.3	9.0
Unknown extraction method	3	132.7			337.7			464.0		
non-numeric results	14									

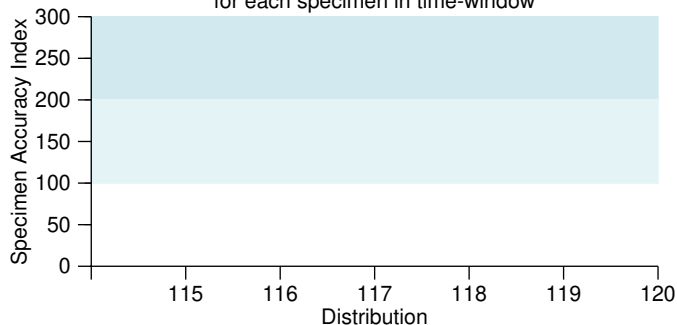
	n	A score		B score			C score		
		Median	Interquartile range	Median	Interquartile range	Median	Interquartile range		
All methods	33			-2.9	-10.7	+9.7	26.9	22.8	32.2
Immunoassay	33			-2.9	-10.7	+9.7	26.9	22.8	32.2
Bioserv Diagnostics [2RV]	2RV	4		-14.6	-22.5	-4.8	36.8	32.9	39.9
Bioserv Stool Preparation Kits		4		-14.6	-22.5	-4.8	36.8	32.9	39.9
IDK [2IK]	2IK	1		+29.0	+29.0	+29.0	50.7	50.7	50.7
ScheBo stool test [2EB]	2EB	28		-2.1	-10.1	+10.1	26.0	21.9	30.7
Manual Weighing		3		-2.9	-5.2	-2.1	31.5	28.7	34.1
ScheBo Master Quick Prep		21		+7.4	-8.0	+12.3	26.1	22.8	30.6
Unknown extraction method		3		-10.7	-12.4	-1.1	16.8	16.8	19.5



Birmingham Quality

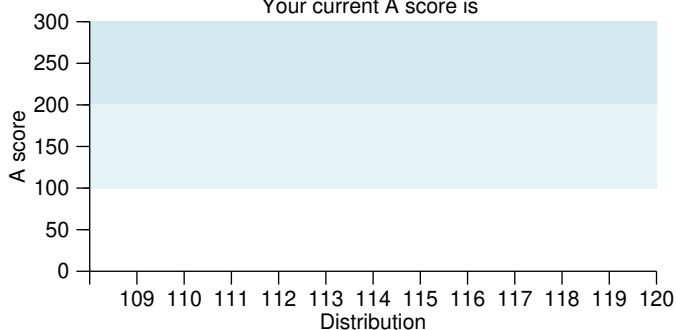
Faecal Elastase ug/g

Specimen Accuracy Index for each specimen in time-window



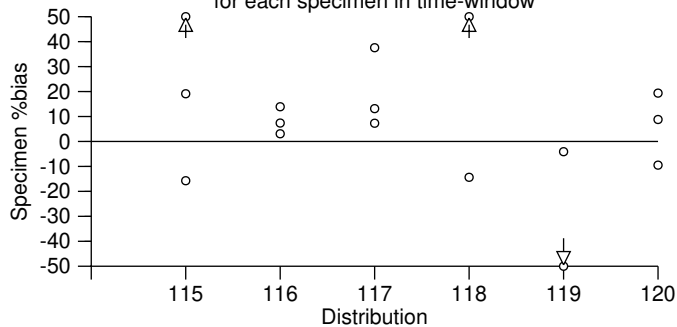
P-ABCATS (ABC1)

A score by distribution Your current A score is



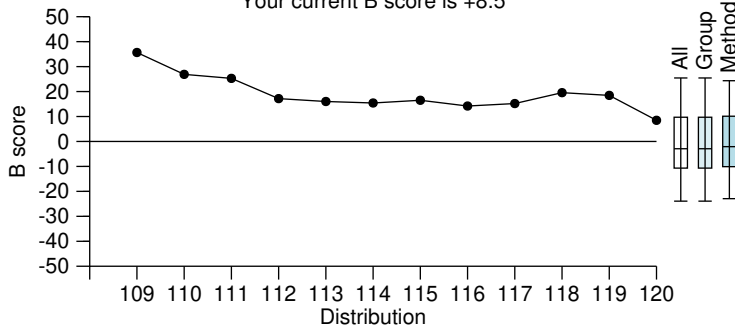
P-ABCAT (ABC1)

Specimen %bias for each specimen in time-window



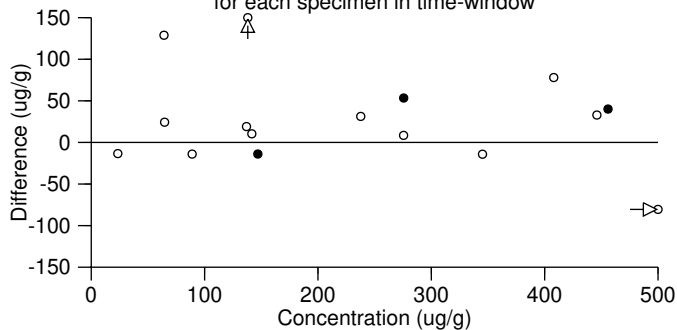
P-ABCBS (ABC1)

B score by distribution Your current B score is +8.5



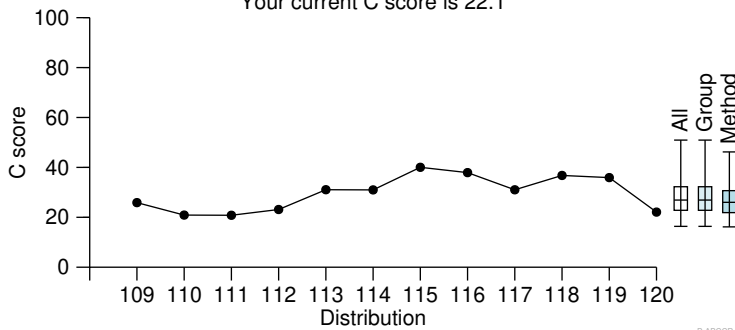
P-ABCBR (ABC1)

Difference (result - target) for each specimen in time-window



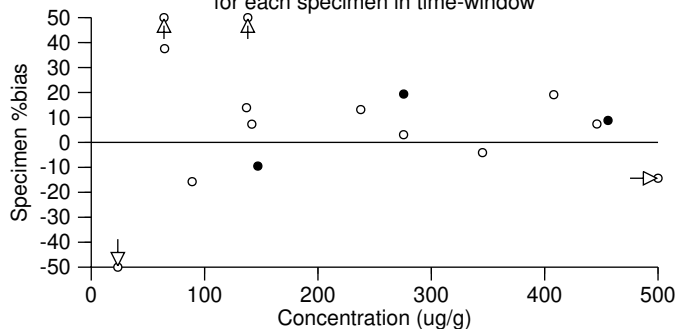
P-BA1F5IA (ABC1)

C score by distribution Your current C score is 22.1



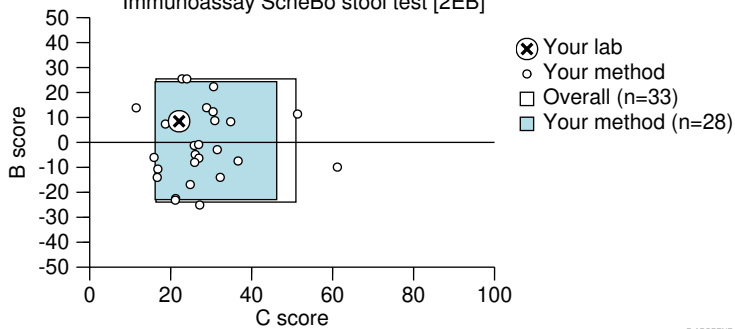
P-ABCCR (ABC1)

Specimen %bias for each specimen in time-window



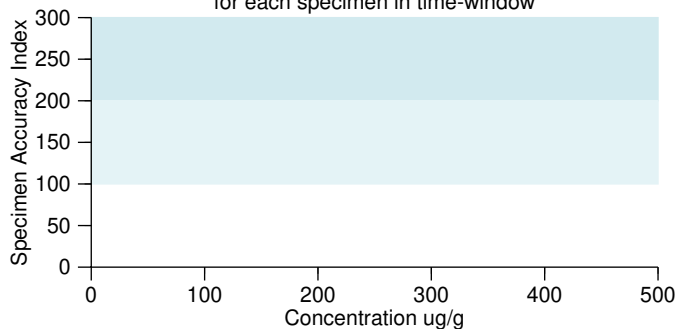
P-BA1F5IP (ABC1)

Faecal Elastase B score is +8.5 and C score is 22.1



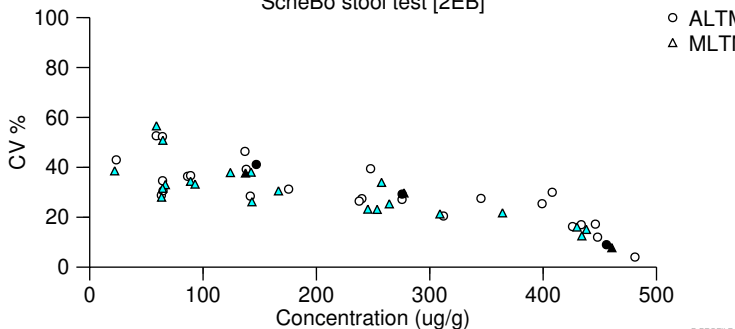
P-ABCPENR (ABC1)

Specimen Accuracy Index for each specimen in time-window



P-YSTMDD (ABC1)

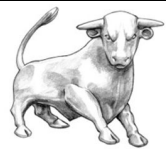
Faecal Elastase Between-laboratory agreement ScheBo stool test [2EB]



P-PROFILE (ABC1)





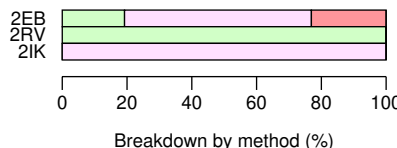
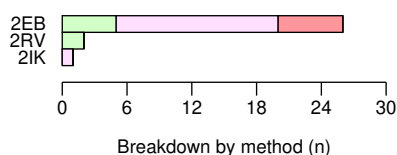
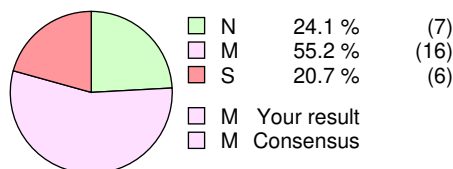


Birmingham Quality

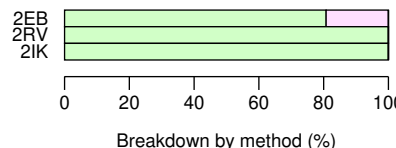
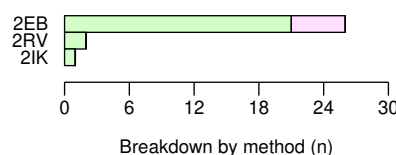
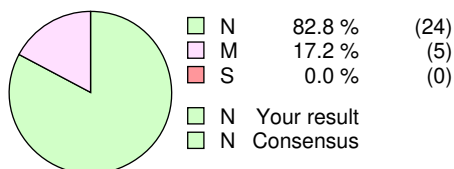
Spec. Pool Pool description / Treatments / Additions

120A	128	Manipulated Human Stool
120B	129	Manipulated Human Stool
120C	130	Human Stool IBD Patient

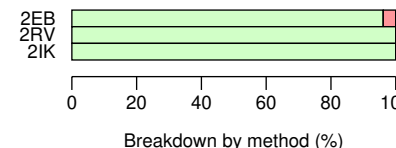
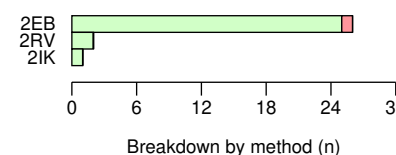
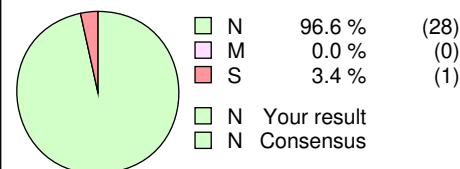
Specimen : 120A



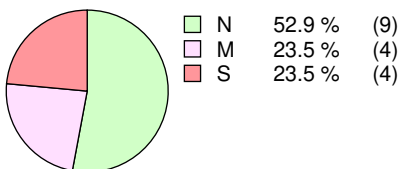
Specimen : 120B



Specimen : 120C

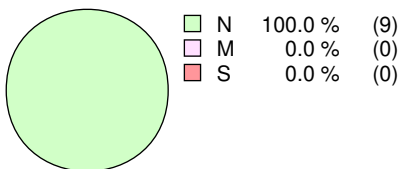


Specimens distributed in each category

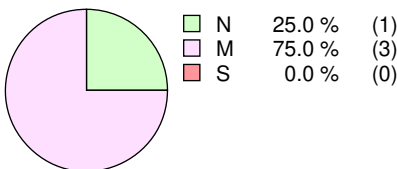


Your interpretation for each category

Normal



Moderate to mild exocrine pancreatic insufficiency



Severe exocrine pancreatic insufficiency

