

Intended Result	Your Report	Your Score
Specimen 4483 <i>Salmonella</i> Agona	<i>Salmonella</i> Agona	2
Specimen 4484 <i>Shigella sonnei</i>	<i>Shigella sonnei</i>	2
Specimen 4485 <i>Salmonella</i> Typhimurium	<i>Salmonella</i> Typhimurium	2
Specimen 4486 <i>Campylobacter coli</i>	<i>Campylobacter coli</i>	2

Comment

Specimen 4483

This specimen contained *Salmonella* Agona, an excellent performance with 40/40 participants reporting the correct result.

Specimen 4484

This specimen contained *Shigella sonnei*. Some 33/39 of participants reported the correct result.

Specimen 4485

This specimen contained *Salmonella* Typhimurium. Performance was excellent with 39/40 participants reporting the correct result.

Specimen 4486

This specimen contained *Campylobacter coli*. Three participants reported *C. jejuni* however differentiation between *C. coli* and *C. jejuni* is challenging using conventional methods, therefore those reporting *C. jejuni* attained the full score (39/40 participants).

UK Standards for Microbiology Investigations (SMIs) are available on the following website: <https://www.gov.uk/government/collections/standards-for-microbiology-investigations-smi#bacteriology>. For all enquiries about the standard methods contact the Head of the Standards Unit, Ruhi Siddiqui: ruhi.siddiqui@phe.gov.uk. Participants of the Faecal pathogen scheme may find this a useful tool in addition to their local testing protocols. In respect to the detection and identification of faecal pathogens specific to this distribution, participants are guided to the following standards: B 30 Investigation of faecal specimens for enteric pathogens, ID 16 Identification of *Enterobacteriaceae*, ID 23 Identification of *Campylobacter* species and ID 24 Identification of *Salmonella* species, on the SMI webpage.

Acknowledgments

We thank colleagues at the National Infection Service (NIS) - PHE in the Gastrointestinal Bacteria Reference Unit (GBRU), for the supply of strains and provision of confirmatory testing.

Enquiries

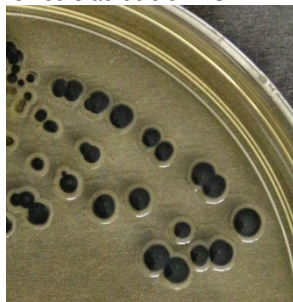
For repeat specimens please order using the web form or e-mail organiser@ukneqasmicro.org.uk stating your laboratory identification number, the distribution name and number, and specimen number/s.

Any technical enquiries related to this distribution, please contact Shila Seaton using the email address above. In-house test results are available should you experience a technical failure and wish to discuss the results. To access intended results and any additional comments associated with this distribution, log onto our secure website and click on the DIST button, usually available on the day following the closing date.

Report authorised by: Paul Chadwick, Scheme Organiser

Images of results obtained in the UK NEQAS laboratory

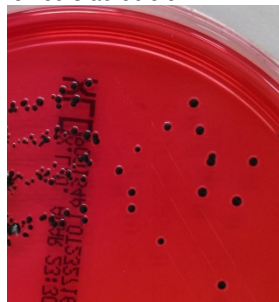
No. 4483 *Salmonella* Agona
18 hours aerobic on DCA



No. 4484 *Shigella sonnei*
18 hours aerobic on DCA



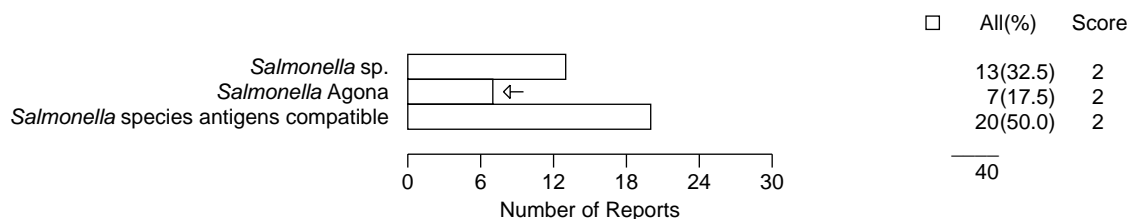
No. 4485 *Salmonella* Typhimurium
18 hours aerobic on XLD



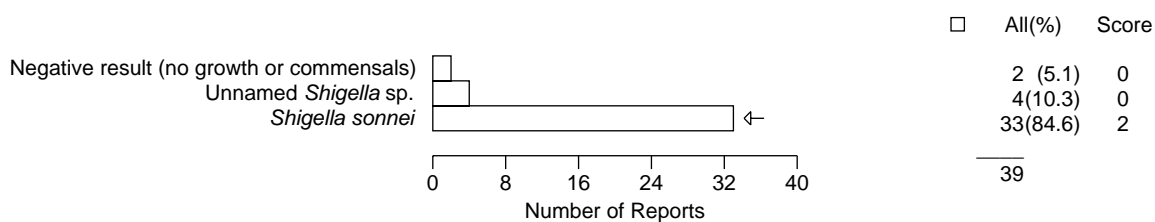
No. 4486 *Campylobacter coli*
48 hours micro aerophilic on CCDA



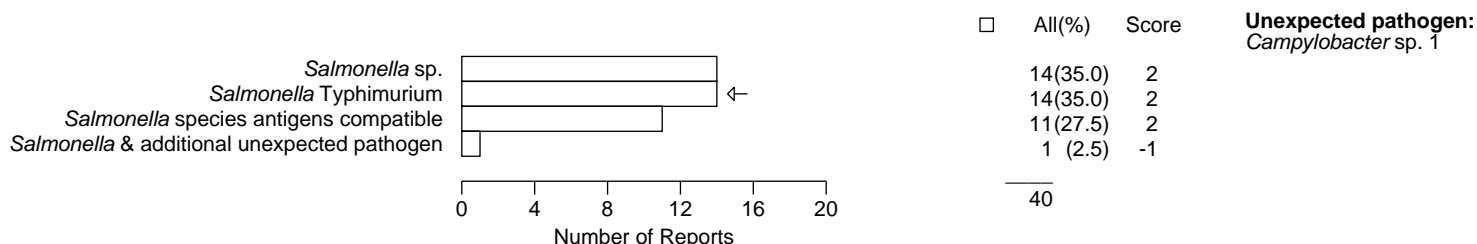
Specimen : 4483 Faeces: Suspected bacterial gastroenteritis in a 19 year old man. The presence of intestinal pathogens was queried. The specimen contained *Salmonella Agona*, *Enterobacter cloacae*, *Klebsiella oxytoca* and *Proteus mirabilis*.



Specimen : 4484 Faeces: Watery diarrhoea and abdominal cramps in a 4 year old child. The presence of intestinal pathogens was queried. The specimen contained *Shigella sonnei*, *Citrobacter koseri*, *Hafnia alvei* and *Klebsiella pneumoniae*.



Specimen : 4485 Faeces: Diarrhoea in a 54 year old woman receiving chemotherapy for metastatic breast cancer. The presence of intestinal pathogens was queried. The specimen contained *Salmonella Typhimurium*, *Enterobacter cloacae*, *Klebsiella oxytoca* and *Proteus mirabilis*.



Specimen : 4486 Faeces: Diarrhoea in a 22 year old university student. The presence of intestinal pathogens was queried. The specimen contained *Campylobacter coli*, *Enterobacter cloacae*, *Escherichia coli* and *Proteus mirabilis*.

