



The National Marine Biological
Analytical Quality Control Scheme
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Reverse Fish Ring Test– RRT01

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December 2009
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Table 1. Summary of data and specimens received from participating laboratories for the first reverse fish ring test – RRT01.

The following pages show the individual laboratory results following the reanalysis of specimens by Unicomarine Ltd.

Table 1. Summary of data and specimens received from participating laboratories for the first reverse fish ring test - RRT01.

Exercise return deadline: 27/11/09

| LabCode | Data Received | Specimens Received | No. Specimen Bags Submitted (max. 15) |
|----------------|----------------------|---------------------------|--|
| LB1601 | 13/11/2009 | 18/11/2009 | 15 |
| LB1605 | 24/11/2009 | 26/11/2009 | 15 |
| LB1607 | 29/10/2009 | 30/10/2009 | 15 |
| LB1611 | 19/10/2009 | 20/10/2009 | 15 |
| LB1612 | 03/12/2009 | 08/12/2009 | 15 |
| LB1613 | 26/11/2009 | 26/11/2009 | 15 |
| LB1614 | 26/11/2009 | 26/11/2009 | 15 |
| LB1615 | 18/11/2009 | 19/11/2009 | 15 |
| LB1641 | 28/10/2009 | 29/10/2009 | 15 |
| LB1642 | 30/11/2009 | 02/12/2009 | 15 |
| LB1643 | 11/11/2009 | 11/11/2009 | 15 |
| LB1644 | 08/12/2009 | 08/12/2009 | 15 |
| LB1645* | 27/11/2009 | 26/11/2009 | 12 |
| LB1646* | | | |
| LB1647 | 18/11/2009 | 20/11/2009 | 15 |
| LB1648 | 16/11/2009 | 18/11/2009 | 15 |
| LB1649 | 24/11/2009 | 25/11/2009 | 17 |
| LB1650 | 17/11/2009 | 17/11/2009 | 15 |
| LB1651 | 12/11/2009 | 13/11/2009 | 15 |
| LB1652 | 16/11/2009 | 16/11/2009 | 21 |

* Pooled submission

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 13/11/09
 Specimens Received - 18/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1601

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|---|
| 1 | <i>Coregonus albula</i> ; -; - | Salmoniformes juv? | No discernable adipose fin or pointed spur above fin base |
| 2 | <i>Liza ramada</i> ; -; - | Mugilidae juv. (<5cm); Grey Mullet | Thick-lipped Grey Mullet? - pectoral fin reaches beyond post. margin of eye |
| 3 | <i>Platichthys flesus</i> ; -; - | <i>Platichthys flesus</i> ; Flounder | - |
| 4 | <i>Phoxinus phoxinus</i> ; -; - | <i>Phoxinus phoxinus</i> ; Minnow | - |
| 5 | <i>Coregonus autumnalis</i> ; -; - | Salmoniformes juv? | No discernable adipose fin or pointed spur above fin base |
| 6 | <i>Pomatoschistus microps</i> ; -; - | <i>Pomatoschistus microps</i>; Common Goby | sp |
| 7 | <i>Pomatoschistus minutus</i> ; -; - | <i>Pomatoschistus minutus</i>; Sand Goby | sp |
| 8 | <i>Salmo salar</i> ; -; - | <i>Salmo salar</i> ; Salmon | Parr |
| 9 | <i>Gobio gobio</i> ; -; - | <i>Gobio gobio</i> ; Gudgeon | - |
| 10 | <i>Liparis liparis</i> ; -; - | <i>Liparis liparis</i>; Common Seasnail | - |
| 11 | <i>Syngnathus acus</i> ; -; - | <i>Syngnathus acus</i> ; Greater Pipefish | - |
| 12 | <i>Syngnathus rostellatus</i> ; -; - | <i>Syngnathus rostellatus</i> ; Lesser Pipefish | - |
| 13 | <i>Ctenolabrus rupestris</i> ; -; - | <i>Ctenolabrus rupestris</i> ; Goldsinny | - |
| 14 | <i>Ammodytes tobianus</i> ; -; - | <i>Ammodytes tobianus</i> ; Lesser Sandeel | - |
| 15 | <i>Clupea harengus</i> ; -; - | <i>Clupea harengus</i> ; Herring | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 24/11/09
 Specimens Received - 26/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1605

Key to codes:
 TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|--|--|
| 1 | <i>Eutrigla gurnardus</i> ; Grey gurnard; 172 | <i>Eutrigla gurnardus</i> ; Grey Gurnard | - |
| 2 | <i>Pleuronectes platessa</i> ; Plaice; 152 | <i>Pleuronectes platessa</i> ; Plaice | - |
| 3 | <i>Limanda limanda</i> ; Dab; 81 | <i>Limanda limanda</i> ; Dab | - |
| 4 | <i>Ciliata mustela</i> ; Five-bearded rockling; 209 | <i>Ciliata mustela</i> ; Five-bearded Rockling | - |
| 5 | <i>Trisopterus minutus</i> ; Poor cod; 175 | <i>Trisopterus minutus</i> ; Poor Cod | - |
| 6 | <i>Pollachius virens</i> ; Saithe; 155 | <i>Pollachius virens</i> ; Saithe | - |
| 7 | <i>Lampetra fluviatilis</i> ; River lamprey; 226 | <i>Lampetra fluviatilis</i> ; River Lamprey | - |
| 8 | <i>Pollachius pollachius</i> ; Pollack; 150 | <i>Pollachius pollachius</i> ; Pollack | - |
| 9 | <i>Osmerus eperlanus</i> ; Smelt; 130 | <i>Osmerus eperlanus</i> ; Smelt | - |
| 10 | <i>Pomatoschistus minutus</i> ; Sand goby; 62 | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 11 | <i>Clupea harengus</i> ; Herring; 108 | <i>Clupea harengus</i> ; Herring | - |
| 12 | <i>Merlangius merlangus</i> ; Whiting; 106 | <i>Pollachius virens</i>; Saithe | TE - 1st anal fin origin between 1st & 2nd dorsal fins |
| 13 | <i>Solea solea</i> ; Sole; 97 | <i>Solea solea</i> ; Common Sole | - |
| 14 | <i>Gadus morhua</i> ; Cod; 139 | <i>Gadus morhua</i> ; Cod | - |
| 15 | <i>Agonus cataphractus</i> ; Pogge; 107 | <i>Agonus cataphractus</i> ; Hooknose | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 29/10/09
 Specimens Received - 30/10/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1607

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|---------------------|--|--|------------------------|
| 1 | <i>Agonus cataphractus</i> ; -; 65 | <i>Agonus cataphractus</i> ; Hooknose | - |
| 2 | <i>Ciliata mustela</i> ; -; 110 | <i>Ciliata mustela</i> ; Five-bearded Rockling | - |
| 3 | <i>Liparis liparis</i> ; -; 40 | <i>Liparis liparis</i> ; Common Seasnail | - |
| 4 | <i>Solea solea</i> ; -; 75 | <i>Solea solea</i> ; Common Sole | - |
| 5 | <i>Limanda limanda</i> ; -; 60 | <i>Limanda limanda</i> ; Dab | - |
| 6 | <i>Eutrigla gurnardus</i> ; -; 155 | <i>Eutrigla gurnardus</i> ; Grey Gurnard | - |
| 7 | <i>Trachurus trachurus</i> ; -; 40 | <i>Trachurus trachurus</i> ; Scad | - |
| 8 | <i>Gadus morhua</i> ; -; 140, 95 | <i>Gadus morhua</i> ; Cod | - |
| 9 | <i>Trisopterus luscus</i> ; -; 145 | <i>Trisopterus luscus</i> ; Bib | - |
| 10 | <i>Merlangius merlangus</i> ; -; 190, 110 | <i>Merlangius merlangus</i> ; Whiting | - |
| 11 | <i>Clupea harengus</i> ; -; 80 | <i>Clupea harengus</i> ; Herring | - |
| 12 | <i>Sprattus sprattus</i> ; -; 130, 120, 55 | <i>Sprattus sprattus</i> ; Sprat | - |
| 13 | <i>Gobius couchi</i> ?; -; 35 | <i>Gobius couchi</i> ?; Couch's Goby | - |
| 14 | <i>Pleuronectes platessa</i> ; -; 280 | <i>Pleuronectes platessa</i> ; Plaice | - |
| 15 | <i>Pomatoschistus microps</i> ; -; 35, 35, 35, 15 | <i>Pomatoschistus microps</i> ; Common Goby | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 19/10/09
 Specimens Received - 20/10/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1611

Key to codes:
 TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|--|-----------------|
| 1 | <i>Sprattus sprattus</i> ; Sprat; 120 | <i>Sprattus sprattus</i> ; Sprat | - |
| 2 | <i>Argentina sphyraena</i> ; Argentine; 150 | <i>Argentina sphyraena</i> ; Argentine | - |
| 3 | <i>Callionymus maculatus</i> ; Spotted Dragonet; 140 | <i>Callionymus maculatus</i> ; Spotted Dragonet | - |
| 4 | <i>Merluccius merluccius</i> ; Hake; 220 | <i>Merluccius merluccius</i> ; Hake | - |
| 5 | <i>Callionymus lyra</i> ; Common Dragonet; 90 | <i>Callionymus lyra</i> ; Common Dragonet | - |
| 6 | <i>Pleuronectes platessa</i> ; Plaice; 120 | <i>Pleuronectes platessa</i> ; Plaice | - |
| 7 | <i>Lepidorhombus whiffagonis</i> ; Megrin; 230 | <i>Lepidorhombus whiffiagonis</i>; Megrin | sp |
| 8 | <i>Gadus morhua</i> ; Cod; 80 | <i>Gadus morhua</i> ; Cod | - |
| 9 | <i>Cepola rubescens</i> ; Red Band Fish; 280 | <i>Cepola rubescens</i> ; Red Bandfish | - |
| 10 | <i>Triglia lucerna</i> ; Tub Gurnard; 210 | <i>Chelidonichthys lucernus</i>; Tub Gurnard | nc |
| 11 | <i>Trisopterus esmarkii</i> ; Norway Pout; 10 | <i>Trisopterus esmarkii</i> ; Norway Pout | - |
| 12 | <i>Glyptocephalus cynoglossus</i> ; Witch; 180 | <i>Glyptocephalus cynoglossus</i> ; Witch | - |
| 13 | <i>Trisopterus minutus</i> ; Poor Cod; 70 | <i>Trisopterus minutus</i> ; Poor Cod | - |
| 14 | <i>Micromesistius poutassou</i> ; Blue Whiting; 140 | <i>Micromesistius poutassou</i> ; Blue Whiting | - |
| 15 | <i>Hippoglossoides platessoides</i> ; Long Rough Dab; 150 | <i>Hippoglossoides platessoides</i> ; Long Rough Dab | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 03/12/09
 Specimens Received - 08/12/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1612

Key to codes:
 TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|-------------------------------------|
| 1 | <i>Sprattus sprattus</i> ; Sprat; - | <i>Sprattus sprattus</i> ; Sprat | - |
| 2 | <i>Clupea harengus</i> ; Herring; - | <i>Clupea harengus</i> ; Herring | - |
| 3 | <i>Crystallogobius linearis</i> ; Crystal Goby; - | <i>Aphia minuta</i>; Transparent Goby | TE - 5 fin rays in first dorsal fin |
| 4 | <i>Merlangius merlangus</i> ; Whiting; - | <i>Merlangius merlangus</i> ; Whiting | - |
| 5 | <i>Eutrigla gurnardus</i> ; Grey Gurnard; - | <i>Eutrigla gurnardus</i> ; Grey Gurnard | - |
| 6 | <i>Limanda limanda</i> ; Dab; - | <i>Limanda limanda</i> ; Dab | - |
| 7 | <i>Gadus morhua</i> ; Cod; - | <i>Gadus morhua</i> ; Cod | - |
| 8 | <i>Callionymus lyra</i> ; Common Dragonet; - | <i>Callionymus lyra</i> ; Common Dragonet | - |
| 9 | <i>Pleuronectes platessa</i> ; Plaice; - | <i>Pleuronectes platessa</i> ; Plaice | - |
| 10 | <i>Pomatoschistus minutus</i> ; Sand Goby; - | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 11 | <i>Buglossidium luteum</i> ; Solenette; - | <i>Buglossidium luteum</i> ; Solenette | - |
| 12 | <i>Arnoglossus laterna</i> ; Scaldfish; - | <i>Arnoglossus laterna</i> ; Scaldfish | - |
| 13 | <i>Syngnathus acus</i> ; Greater Pipefish; - | <i>Syngnathus rostellatus</i>; Lesser Pipefish | TE - 14 pre-anal body rings |
| 14 | <i>Trachinus (Echiichthys) vipera</i> ; Lesser Weever; - | <i>Trachinus (Echiichthys) vipera</i> ; Lesser Weever | - |
| 15 | <i>Agonus cataphractus</i> ; Pogge; - | <i>Agonus cataphractus</i> ; Hooknose | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 26/11/09*
 Specimens Received - 26/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1613

*NOTE: No electronic data supplied; data entered from hard copy by Unicmarine Ltd.

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|---------------------------------------|
| 1 | <i>Trisopterus luscus</i> ; Bib; - | <i>Trisopterus luscus</i> ; Bib | - |
| 2 | <i>Merlangius merlangus</i> ; Whiting; - | <i>Merlangius merlangus</i> ; Whiting | - |
| 3 | <i>Zoarces viviparus</i> ; Viviparous blenny; - | <i>Zoarces viviparus</i> ; Viviparous Blenny | - |
| 4 | <i>Taurulus bubalis</i> ; Sea Scorpion; - | <i>Myoxocephalus scorpius</i>; Bull-rout | TE - lateral line, chin flap & spines |
| 5 | <i>Pollachius virens</i> ; Saithe; - | <i>Pollachius virens</i> ; Saithe | - |
| 6 | <i>Microstomus kitt</i> ; Lemon sole; - | <i>Microstomus kitt</i>; Lemon Sole | sp |
| 7 | <i>Callionymus lyra</i> ; Common dragonet; - | <i>Callionymus lyra</i> ; Common Dragonet | - |
| 8 | <i>Pomatoschistus minutus</i> ; Sand goby; - | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 9 | <i>Limanda limanda</i> ; Dab; - | <i>Limanda limanda</i> ; Dab | - |
| 10 | <i>Entelurus aequoreus</i> ; Snake pipefish; - | <i>Entelurus aequoreus</i> ; Snake Pipefish | - |
| 11 | <i>Gadus morhua</i> ; Cod; - | <i>Gadus morhua</i> ; Cod | - |
| 12 | <i>Eutrigla gurnardus</i> ; Grey gurnard; - | <i>Eutrigla gurnardus</i> ; Grey Gurnard | - |
| 13 | <i>Clupea harengus</i> ; Herring; - | <i>Clupea harengus</i> ; Herring | - |
| 14 | <i>Ciliata mustela</i> ; Five-bearded rockling; - | <i>Ciliata mustela</i> ; Five-bearded Rockling | - |
| 15 | <i>Atherina presbyter</i> ; Sand smelt; - | <i>Atherina presbyter</i> ; Sand Smelt | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 26/11/09*
 Specimens Received - 26/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1614

*NOTE: No electronic data supplied; data entered from hard copy by Unicmarine Ltd.

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|-----------------------------|
| 1 | <i>Phrynorhombus norvegicus</i> ; Norwegian topknot; - | <i>Phrynorhombus norvegicus</i> ; Norwegian Topknot | - |
| 2 | <i>Gobius couchi</i> ; Couch's goby; - | <i>Gobius couchi</i> ; Couch's Goby | - |
| 3 | <i>Syngnathus acus</i> ; Greater pipefish (juv); - | <i>Syngnathus rostellatus</i>; Lesser Pipefish | TE - 14 pre-anal body rings |
| 4 | <i>Agonus cataphractus</i> ; Pogge; - | <i>Agonus cataphractus</i> ; Hooknose | - |
| 5 | <i>Eutrigla gurnardus</i> ; Grey gurnard; - | <i>Eutrigla gurnardus</i> ; Grey Gurnard | - |
| 6 | <i>Chelidonichthys lucernus</i> ; Tub gurnard; - | <i>Chelidonichthys lucernus</i> ; Tub Gurnard | sp |
| 7 | <i>Sprattus sprattus</i> ; Sprat; - | <i>Sprattus sprattus</i> ; Sprat | - |
| 8 | <i>Platichthys flesus</i> ; Flounder; - | <i>Platichthys flesus</i> ; Flounder | - |
| 9 | <i>Dicentrarchus labrax</i> ; Sea bass; - | <i>Dicentrarchus labrax</i> ; Sea Bass | - |
| 10 | <i>Mullus surmeletus</i> ; Red mullet; - | <i>Mullus surmuletus</i>; Striped Red Mullet | sp |
| 11 | <i>Osmerus eperlanus</i> ; Smelt; - | <i>Osmerus eperlanus</i> ; Smelt | - |
| 12 | <i>Pomatoschistus minutus</i> ; Sand goby; - | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 13 | <i>Merlangius merlangus</i> ; Whiting; - | <i>Merlangius merlangus</i> ; Whiting | - |
| 14 | <i>Trisopterus luscus</i> ; Bib; - | <i>Trisopterus luscus</i> ; Bib | - |
| 15 | <i>Callionymus? lyra?</i> ; Common dragonet (juv); - | <i>Callionymus lyra</i> ; Common Dragonet | * |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 18/11/09
 Specimens Received - 19/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1615

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|---------------------|--|--|------------------------|
| 1 | <i>Sprattus sprattus</i> ; Sprat; 129 | <i>Sprattus sprattus</i> ; Sprat | - |
| 2 | <i>Gadus morhua</i> ; Cod; - | <i>Gadus morhua</i> ; Cod | - |
| 3 | <i>Merlangius merlangus</i> ; Whiting; 129 | <i>Merlangius merlangus</i> ; Whiting | - |
| 4 | <i>Pleuronectes platessa</i> ; Plaice; 106 | <i>Pleuronectes platessa</i> ; Plaice | - |
| 5 | <i>Solea solea</i> ; Sole; 63 | <i>Solea solea</i> ; Common Sole | - |
| 6 | <i>Ciliata mustela</i> ; Five-bearded rockling; 153 | <i>Ciliata mustela</i> ; Five-bearded Rockling | - |
| 7 | <i>Mullus surmuletus</i> ; Striped red mullet; - | <i>Mullus surmuletus</i> ; Striped Red Mullet | - |
| 8 | <i>Agonus cataphractus</i> ; Hooknose; - | <i>Agonus cataphractus</i> ; Hooknose | - |
| 9 | <i>Echiichthys vipera</i> ; Lesser Weever; - | <i>Echiichthys vipera</i> ; Lesser Weever | - |
| 10 | <i>Clupea harengus</i> ; Herring; - | <i>Clupea harengus</i> ; Herring | - |
| 11 | <i>Trisopterus luscus</i> ; Bib; - | <i>Trisopterus luscus</i> ; Bib | - |
| 12 | <i>Eutrigla gurnardus</i> ; Grey gurnard; - | <i>Eutrigla gurnardus</i> ; Grey Gurnard | - |
| 13 | <i>Pomatoschistus minutus</i> ; Sand Goby; - | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 14 | <i>Chelidonichthys lucernus</i> ; Tub gurnard; - | <i>Chelidonichthys lucernus</i> ; Tub Gurnard | - |
| 15 | <i>Pegusa lascaris</i> ; Sand sole; - | <i>Pegusa lascaris</i> ; Sand Sole | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 28/10/09
 Specimens Received - 29/10/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1641

Key to codes:
 TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|--|-----------------------------|
| 1 | <i>Gadus morhua</i> ; Cod; 213 | <i>Gadus morhua</i> ; Cod | - |
| 2 | <i>Merlangius merlangus</i> ; Whiting; 161 | <i>Merlangius merlangus</i> ; Whiting | - |
| 3 | <i>Ciliata mustela</i> ; Five-bearded rockling; 203 | <i>Ciliata mustela</i> ; Five-bearded Rockling | - |
| 4 | <i>Pleuronectes platessa</i> ; Plaice; 66 | <i>Pleuronectes platessa</i> ; Plaice | - |
| 5 | <i>Leuciscus leuciscus</i> ; Dace; 63 | <i>Leuciscus leuciscus</i> ; Dace | - |
| 6 | <i>Platichthys flesus</i> ; Flounder; 125 | <i>Platichthys flesus</i> ; Flounder | - |
| 7 | <i>Osmerus eperlanus</i> ; Smelt; 86 | <i>Osmerus eperlanus</i> ; Smelt | - |
| 8 | <i>Syngnathus acus</i> ; Greater Pipefish; 134 | <i>Syngnathus rostellatus</i>; Lesser Pipefish | TE - 14 pre-anal body rings |
| 9 | <i>Sprattus sprattus</i> ; Sprat; 79 | <i>Sprattus sprattus</i> ; Sprat | - |
| 10 | <i>Atherina presbyter</i> ; Sand Smelt; 57 | <i>Atherina presbyter</i> ; Sand Smelt | - |
| 11 | <i>Gobio gobio</i> ; Gudgeon; 39 | <i>Gobio gobio</i> ; Gudgeon | - |
| 12 | <i>Rutilus rutilus</i> ; Roach; 43 | <i>Rutilus rutilus</i> ; Roach | - |
| 13 | <i>Clupea harengus</i> ; Herring; 118 | <i>Clupea harengus</i> ; Herring | - |
| 14 | <i>Hyperoplus lanceolatus</i> ; Greater Sandeel; 111 | <i>Ammodytes tobianus</i>; Lesser Sandeel | TE - protrusible upper jaw |
| 15 | <i>Gasterosteus aculeatus</i> ; 3-Spined Stickleback; 29 | <i>Gasterosteus aculeatus</i> ; Three-spined Stickleback | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 30/11/09
 Specimens Received - 02/12/2009
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1642

Key to codes:
 TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|--|--|--|
| 1 | <i>Solea solea</i> ; Common Sole; 95 | <i>Solea solea</i> ; Common Sole | - |
| 2 | <i>Agonus cataphractus</i> ; Pogge; 57 | <i>Agonus cataphractus</i> ; Hooknose | - |
| 3 | <i>Ammodytes tobianus</i> ; Lesser Sandeel; 114 | <i>Ammodytes tobianus</i> ; Lesser Sandeel | - |
| 4 | <i>Sprattus sprattus</i> ; Sprat; 96 | <i>Sprattus sprattus</i> ; Sprat | - |
| 5 | <i>Clupea harengus</i> ; Herring; 95/97/106 | <i>Clupea harengus</i> ; Herring | - |
| 6 | <i>Liza ramada</i> ; Thin Lipped Grey Mullet; 228 | <i>Liza ramada</i> ; Thin-lipped Grey Mullet | - |
| 7 | <i>Ciliata mustela</i> ; Five-bearded Rockling; 135 | <i>Ciliata mustela</i> ; Five-bearded Rockling | - |
| 8 | <i>Merlangius merlangus</i> ; Whiting; 142 | <i>Merlangius merlangus</i> ; Whiting | - |
| 9 | <i>Trisopterus esmarkii</i> ; Norway Pout; 85 | <i>Trisopterus minutus</i>; Poor Cod | TE - 1st anal fin origin between 1st & 2nd dorsal fins |
| 10 | <i>Taurulus bubalis</i> ; Long Spined Sea Scorpion; 136 | <i>Myoxocephalus scorpius</i>; Bull-rout | TE - lateral line, chin flap & spines |
| 11 | <i>Limanda limanda</i> ; Dab; 46 | <i>Limanda limanda</i> ; Dab | - |
| 12 | <i>Syngnathus rostellatus</i> ; Lesser Pipefish; 142 | <i>Syngnathus rostellatus</i> ; Lesser Pipefish | - |
| 13 | <i>Pleuronectes platessa</i> ; Plaice; 82 | <i>Pleuronectes platessa</i> ; Plaice | - |
| 14 | <i>Platichthys flesus</i> ; Flounder; 96 | <i>Platichthys flesus</i> ; Flounder | - |
| 15 | <i>Gasterosteus aculeatus</i> ; Three Spined Stickleback; 46 | <i>Gasterosteus aculeatus</i> ; Three-spined Stickleback | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 11/11/09*
 Specimens Received - 11/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1643

*NOTE: No electronic data supplied; data entered from hard copy by Unicmarine Ltd.

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|--|
| 1 | <i>Clupea harengus</i> ; Herring; 69 | <i>Sprattus sprattus</i>; Sprat | TE - 21 ant. belly scales, pelvic fin in front of dorsal fin |
| 2 | <i>Atherina presbyter</i> ; Sand Smelt; 77 | <i>Atherina presbyter</i> ; Sand Smelt | - |
| 3 | <i>Liza auratus</i> ; Golden Mullet; 66 | <i>Liza aurata</i>; Golden Grey Mullet | sp |
| 4 | <i>Pomatoschistus microps</i> ; Common Goby; 50 | <i>Pomatoschistus microps</i> ; Common Goby | - |
| 5 | <i>Dicentrarchus labrax</i> ; Sea Bass; 97 | <i>Dicentrarchus labrax</i> ; Sea Bass | - |
| 6 | <i>Spinachia spinachia</i> ; 15-spined Stickleback; 118 | <i>Spinachia spinachia</i> ; Fifteen-spined Stickleback | - |
| 7 | <i>Gobius minutus</i> ; Sand Goby; 53 | <i>Pomatoschistus minutus</i>; Sand Goby | nc |
| 8 | <i>Sparus aurata</i> ; Guilthead Bream; 64 | <i>Sparus aurata</i> ; Gilthead | - |
| 9 | <i>Aphia minuta</i> ; Transparent Goby; 38 | <i>Aphia minuta</i> ; Transparent Goby | - |
| 10 | <i>Pleuronectes platessa</i> ; Plaice; 68 | <i>Pleuronectes platessa</i> ; Plaice | - |
| 11 | <i>Platichthys flesus</i> ; Flounder; 114 | <i>Platichthys flesus</i> ; Flounder | - |
| 12 | <i>Crenilabrus melops</i> ; Corkwing Wrasse; 70 | <i>Crenilabrus melops</i> ; Corkwing Wrasse | - |
| 13 | <i>Buglossidium luteum</i> ; Common Sole; 97 | <i>Solea solea</i>; Common sole | TE - common name correct |
| 14 | <i>Syngnathus rostellatus</i> ; Lesser Pipefish; 95 | <i>Syngnathus rostellatus</i> ; Lesser Pipefish | - |
| 15 | <i>Pomatoschistus pictus</i> ; Painted Goby; 41 | <i>Pomatoschistus pictus</i> ; Painted Goby | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 08/12/09*
 Specimens Received - 08/12/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1644

*NOTE: No electronic data supplied; data entered from hard copy by Unicmarine Ltd.

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|--|---|
| 1 | <i>Spinachia spinachia</i> ; 15-spined Stickleback; 150 | <i>Spinachia spinachia</i> ; Fifteen-spined Stickleback | - |
| 2 | <i>Gasterosteus aculeatus</i> ; 3-spined Stickleback; 34 | <i>Gasterosteus aculeatus</i> ; Three-spined Stickleback | - |
| 3 | <i>Platichthys flesus</i> ; Flounder; 124 | <i>Platichthys flesus</i> ; Flounder | - |
| 4 | <i>Pleuronectes platessa</i> ; Plaice; 80 | <i>Pleuronectes platessa</i> ; Plaice | - |
| 5 | <i>Ciliata mustela</i> ; 5-bearded Rockling; 165 | <i>Ciliata mustela</i> ; Five-bearded Rockling | - |
| 6 | <i>Taurulus bubalis</i> ; Long-spined Sea Scorpion; 123 | <i>Taurulus bubalis</i> ; Long-spined Sea Scorpion | - |
| 7 | <i>Callionymus lyra</i> ; Common Dragonet; 138 | <i>Callionymus lyra</i> ; Common Dragonet | - |
| 8 | <i>Zoarces viviparus</i> ; Viviparous Blenny; 146 | <i>Zoarces viviparus</i> ; Viviparous Blenny | - |
| 9 | <i>Trisopterus minutus</i> ; Poor-cod; 115 | <i>Gadus morhua</i>; Cod | TE - short anal fin starting behind 1st dorsal fin base |
| 10 | <i>Ammodytes tobianus</i> ; Lesser Sandeel; 94 | <i>Ammodytes tobianus</i> ; Lesser Sandeel | - |
| 11 | <i>Sprattus sprattus</i> ; Sprat; 140 | <i>Sprattus sprattus</i> ; Sprat | - |
| 12 | <i>Pollachius virens</i> ; Saithe; 183 | <i>Pollachius virens</i> ; Saithe | - |
| 13 | <i>Pollachius virens</i> ; Saithe; 122 | <i>Pollachius virens</i> ; Saithe | - |
| 14 | <i>Glyptocephalus cynoglossus</i> ; -; 179 | <i>Microstomus kitt</i>; Lemon Sole | *TE - lateral line curved above pectoral fin |
| 15 | <i>Ammodytes tobianus</i> ; Lesser Sandeel; - | <i>Ammodytes tobianus</i> ; Lesser Sandeel | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 27/11/09
 Specimens Received - 26/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1645

Key to codes:
 TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|--|---|
| 1 | <i>Dicentrarchus labrax</i> ; Bass; 57 | <i>Dicentrarchus labrax</i> ; Sea Bass | - |
| 2 | <i>Atherina presbyter</i> ; Sand Smelt; 74 | <i>Atherina presbyter</i> ; Sand Smelt | - |
| 3 | <i>Pomatoschistus microps</i> ; Common Goby; 64 | <i>Pomatoschistus minutus</i>; Sand Goby | TE - 11 anal fin rays, black spot on dorsal fin |
| 4 | <i>Spondylisoma cantharus</i> ; Black Bream; 74 | <i>Spondylisoma cantharus</i> ; Black Sea Bream | - |
| 5 | <i>Platichthys flesus</i> ; Flounder; 81 | <i>Platichthys flesus</i> ; Flounder | - |
| 6 | <i>Liza aurata</i> ; Golden Mullet; 58 | <i>Chelon labrosus</i>; Thick-lipped Grey Mullet | TE - Thick upper lip |
| 7 | <i>Gobius niger</i> ; Black Goby; 106 | <i>Gobius niger</i> ; Black Goby | - |
| 8 | <i>Platichthys flesus</i> ; Flounder; 348 | <i>Platichthys flesus</i> ; Flounder | - |
| 9 | <i>Clupea harengus</i> ; Herring; 77 | <i>Clupea harengus</i> ; Herring | - |
| 10 | <i>Liza ramada</i> ; Thin-lipped Grey Mullet; 82 | <i>Liza ramada</i> ; Thin-lipped Grey Mullet | - |
| 11 | <i>Pomatoschistus microps</i> ; Common Goby; 60 | <i>Pomatoschistus minutus</i>; Sand Goby | TE - 12 anal fin rays, black spot on dorsal fin |
| 12 | <i>Gasterosteus aculeatus</i> ; 3-spined Stickleback; 49 | <i>Gasterosteus aculeatus</i> ; Three-spined Stickleback | - |
| 13 | - | - | Taxon not supplied |
| 14 | - | - | Taxon not supplied |
| 15 | - | - | Taxon not supplied |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 18/11/09
 Specimens Received - 20/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1647

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|--|
| 1 | <i>Pomatoschistus microps</i> ; Common goby; - | <i>Pomatoschistus microps</i> ; Common goby | - |
| 2 | <i>Chelon labrosus</i> ; Thick lipped mullet; - | <i>Chelon labrosus</i> ; Thick-lipped Grey Mullet | - |
| 3 | <i>Liza ramada</i> ; Thin lipped mullet; - | <i>Liza ramada</i> ; Thin-lipped Grey Mullet | - |
| 4 | <i>Labrus bergylta</i> ; Ballan wrasse; - | <i>Labrus bergylta</i> ; Ballan Wrasse | - |
| 5 | Mugilidae ; Mullet sp.; - | Mugilidae juv. (<5cm); Grey Mullet | 1 x Thick-lipped? (largest specimen), 1 x Thin-lipped Grey Mullet? |
| 6 | <i>Osmerus eperlanus</i> ; Sand smelt; - | <i>Atherina presbyter</i>; Sand Smelt | TE - common name correct |
| 7 | <i>Spinachia spinachia</i> ; 15 spined stickleback ; - | <i>Spinachia spinachia</i> ; Fifteen-spined Stickleback | - |
| 8 | <i>Gobiusculus flavescens</i> ; 2 spot goby; - | <i>Gobiusculus flavescens</i>; Two-spotted Goby | sp |
| 9 | <i>Pomatoschistus pictus</i> ; Painted goby; - | <i>Pomatoschistus pictus</i> ; Painted goby | - |
| 10 | <i>Dicentrarchus labrax</i> ; Bass; - | <i>Dicentrarchus labrax</i> ; Sea Bass | - |
| 11 | <i>Platichthys flesus</i> ; Flounder; - | <i>Platichthys flesus</i> ; Flounder | - |
| 12 | <i>Pomatoschistus minutus</i> ; Sand goby; - | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 13 | <i>Rutilus rutilus</i> ; Roach; - | <i>Rutilus rutilus</i> ?; Roach | Juvenile |
| 14 | <i>Sprattus sprattus</i> ; Sprat; - | <i>Sprattus sprattus</i> ; Sprat | - |
| 15 | <i>Liza aurata</i> ; Golden grey mullet; - | <i>Liza aurata</i> ; Golden Grey Mullet | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 16/11/09
 Specimens Received - 18/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1648

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|---|
| 1 | <i>Pleuronectes platessa</i> ; Plaice; - | <i>Pleuronectes platessa</i> ; Plaice | - |
| 2 | <i>Hyperoplus lanceolatus</i> ; Greater Sand Eel; - | <i>Ammodytes tobianus</i>; Lesser Sandeel | TE - Protrusible upper jaw |
| 3 | <i>Atherina presbyter</i> ; Sand Smelt; - | <i>Atherina presbyter</i> ; Sand Smelt | - |
| 4 | <i>Sprattus sprattus</i> ; Sprat; - | <i>Sprattus sprattus</i> ; Sprat | - |
| 5 | <i>Spinachia spinachia</i> ; 15 Spined Stickleback; - | <i>Spinachia spinachia</i> ; Fifteen-spined Stickleback | - |
| 6 | <i>Pomatoschistus pictus</i> ; Painted Goby; - | <i>Pomatoschistus pictus</i> ; Painted Goby | - |
| 7 | <i>Pomatoschistus microps</i> ; Common Goby; - | <i>Pomatoschistus minutus</i>; Sand Goby | TE - 11 anal fin rays, black spot on dorsal fin |
| 8 | <i>Pomatoschistus minutus</i> ; Sand Goby; - | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 9 | <i>Liza ramado</i> ; Thin Lipped Mullet; - | Mugilidae juv. (<5cm); Grey Mullet | Thick-lipped Grey Mullet? - pectoral fin reaches beyond post. margin of eye |
| 10 | <i>Taurulus bubalis</i> ; Long Spined Sea Scorpion; - | <i>Taurulus bubalis</i> ; Long-spined Sea Scorpion | - |
| 11 | <i>Pholis gunnellus</i> ; Butterfish; - | <i>Pholis gunnellus</i> ; Butterfish | - |
| 12 | <i>Platichthys flesus</i> ; Flounder; - | <i>Platichthys flesus</i> ; Flounder | - |
| 13 | <i>Dicentrarchus labrax</i> ; Bass; - | <i>Dicentrarchus labrax</i> ; Sea Bass | - |
| 14 | <i>Leuciscus leuciscus</i> ; Dace; - | <i>Leuciscus leuciscus</i> ; Dace | - |
| 15 | <i>Osmerus eperlanus</i> ; Sparling; - | <i>Osmerus eperlanus</i> ; Smelt | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 24/11/09
 Specimens Received - 25/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1649

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|--|
| 1 | <i>Crystallogobius linearis</i> ; Crystal Goby; - | <i>Aphia minuta</i>; Transparent Goby | TE - 5 fin rays in first dorsal fin |
| 2 | <i>Trisopterus minutus</i> ; Poor cod; - | <i>Trisopterus minutus</i> ; Poor Cod | - |
| 3 | <i>Platichthys fleus</i> ; Flounder; - | <i>Platichthys flesus</i>; Flounder | sp |
| 4 | <i>Agonus cataphractus</i> ; Pogge; - | <i>Agonus cataphractus</i> ; Hooknose | - |
| 5 | <i>Merlangius merlangus</i> ; Whiting; - | <i>Merlangius merlangus</i> ; Whiting | - |
| 6 | <i>Syngnathus acus</i> ; Greater Pipefish; - | <i>Syngnathus rostellatus</i>; Lesser Pipefish | TE - 14/15 pre-anal body rings |
| 7 | <i>Pleuronectes platessa</i> ; Plaice; - | <i>Pleuronectes platessa</i> ; Plaice | - |
| 8 | <i>Pomatoschistus minutus</i> ; Sand goby; - | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 9 | <i>Sprattus Sprattus</i> ; Sprat; - | <i>Sprattus Sprattus</i> ; Sprat | - |
| 10 | <i>Arnoglossus laterna</i> ; Scald fish; - | <i>Arnoglossus laterna</i> ; Scaldfish | - |
| 11 | <i>Buglossidium luteum</i> ; Solenette; - | <i>Buglossidium luteum</i> ; Solenette | - |
| 12 | <i>Glyptocephalus cynoglossus</i> ; Witch; - | <i>Limanda limanda</i>; Dab | TE - lateral line strongly curved over pectoral fin |
| 13 | <i>Atherina presbyter</i> ; Sand Smelt; - | <i>Dicentrarchus labrax</i>; Sea Bass | TE - spine on operculum, anteriorly placed pelvic fins |
| 14 | <i>Clupea harengus</i> ; Herring; - | <i>Clupea harengus</i> ; Herring | - |
| 15 | <i>Limanda limanda</i> ; Dab; - | <i>Limanda limanda</i> ; Dab | - |
| 16 | <i>Pleuronectes platessa</i> ; Plaice; - | <i>Pleuronectes platessa</i> ; Plaice | Additional specimen |
| 17 | <i>Platichthys fleus</i> ; Flounder; - | <i>Pleuronectes platessa</i> ; Plaice | Additional specimen; TE - spines absent from base of dorsal/ventral fins |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 17/11/09*
 Specimens Received - 17/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1650

*NOTE: No electronic data supplied; data entered from hard copy by Unicmarine Ltd.

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|-----------------|
| 1 | <i>Hyperoplus lanceolatus</i> ; Greater Sandeel; 158 | <i>Hyperoplus lanceolatus</i> ; Greater Sandeel | - |
| 2 | <i>Ciliata mustela</i> ; 5-bearded Rockling; 48 | <i>Ciliata mustela</i> ; Five-bearded Rockling | - |
| 3 | <i>Apletodon dentatus</i> ; Small-headed Clingfish; 39 | <i>Apletodon dentatus</i> ; Small-headed Clingfish | - |
| 4 | <i>Gobiusculus flavescens</i> ; 2-spotted Goby; 49 | <i>Gobiusculus flavescens</i> ; Two-spotted Goby | - |
| 5 | <i>Pomatoschistus minutus</i> ; Sand Goby; 79 | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 6 | <i>Mullus surmuletus</i> ; Red Mullet; 73 | <i>Mullus surmuletus</i> ; Striped Red Mullet | - |
| 7 | <i>Sardina pilchardus</i> ; Pilchard; 88 | <i>Sardina pilchardus</i> ; Pilchard | - |
| 8 | <i>Atherina presbyter</i> ; Sand Smelt; 78 | <i>Atherina presbyter</i> ; Sand Smelt | - |
| 9 | <i>Callionymus lyra</i> ; Common Dragonet; 63 | <i>Callionymus lyra</i> ; Common Dragonet | - |
| 10 | <i>Pomatoschistus pictus</i> ; Painted Goby; 48 | <i>Pomatoschistus pictus</i> ; Painted Goby | - |
| 11 | <i>Crenilabrus melops</i> ; Corkwing Wrasse; 109 | <i>Crenilabrus melops</i> ; Corkwing Wrasse | - |
| 12 | <i>Labrus bergylta</i> ; Ballan Wrasse; 84 | <i>Labrus bergylta</i> ; Ballan Wrasse | - |
| 13 | <i>Spinachia spinachia</i> ; 15-spined Stickleback; 89 | <i>Spinachia spinachia</i> ; Fifteen-spined Stickleback | - |
| 14 | <i>Gobius niger</i> ; Black Goby; 75 | <i>Gobius niger</i> ; Black Goby | - |
| 15 | <i>Scophthalmus rhombus</i> ; Brill; 130 | <i>Scophthalmus rhombus</i> ; Brill | - |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 12/11/09
 Specimens Received - 13/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1651

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|--|
| 1 | <i>Clupea harengus</i> ; Herring; 110 | <i>Clupea harengus</i> ; Herring | - |
| 2 | <i>Callionymus lyra</i> ; Dragonet; 60 | <i>Callionymus lyra</i> ; Common Dragonet | - |
| 3 | <i>Syngnathus typhle</i> ; Deep-Snouted Pipefish; 130 | <i>Syngnathus rostellatus</i>; Lesser Pipefish | TE - head humped over eye, 14 pre-anal body rings |
| 4 | <i>Ammodytes tobianus</i> ; Sandeel; 80 | <i>Ammodytes tobianus</i> ; Lesser Sandeel | - |
| 5 | Problem taxon; Thin-lipped Grey Mullet; 40 | Mugilidae juv. (<5cm); Grey Mullet | *Thin-lipped Grey Mullet? |
| 6 | <i>Dicentrarchus labrax</i> ; Bass; 30 | <i>Dicentrarchus labrax</i> ; Sea Bass | - |
| 7 | <i>Pomatoschistus minutus</i> ; Sand Goby; 38 | <i>Pomatoschistus microps</i>; Common Goby | TE - 10 anal fin rays, inverted 'v' pigment on pectoral fins |
| 8 | <i>Gobiusculus flavescens</i> ; Two-spotted Goby; 50 | <i>Gobiusculus flavescens</i> ; Two-spotted Goby | - |
| 9 | <i>Atherina presbyter</i> ; Sand Smelt; 90 | <i>Atherina presbyter</i> ; Sand Smelt | - |
| 10 | <i>Crenilabrus bailloni</i> ; Baillon's Wrasse; 75 | <i>Crenilabrus melops</i>; Corkwing Wrasse | TE - comma-shaped spot behind eye, no spot on dorsal fin |
| 11 | <i>Labrus mixtus</i> ; Cuckoo Wrasse; 85 | <i>Labrus bergylta</i>; Ballan Wrasse | TE - 20 dorsal fin spines |
| 12 | <i>Pomatoschistus minutus</i> ; Sand Goby; 65 | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 13 | <i>Sprattus sprattus</i> ; Sprat; 50 | <i>Sprattus sprattus</i> ; Sprat | - |
| 14 | <i>Pomatoschistus microps</i> ; Common Goby; 45 | <i>Pomatoschistus microps</i> ; Common Goby | - |
| 15 | <i>Crenilabrus bailloni</i> ; Baillon's Wrasse; 35 | <i>Crenilabrus melops</i>; Corkwing Wrasse | TE - comma-shaped spot behind eye, no spot on dorsal fin |

NMBAQC Scheme Interim Results

EXERCISE DETAILS

Laboratory Reference_ Fish # RRT01
 Return Deadline - 27/11/09
 Data Received - 16/11/09*
 Specimens Received - 16/11/09
 Number of Subscribing Laboratories - 20
 Laboratory Code - 1652

Key to codes:

TE - Taxonomic error
 sp - Spelling error
 nc - Name change
 mx - Mixture of species
 * - Problem taxa indicated

*NOTE: No electronic data supplied; data entered from hard copy by Unicmarine Ltd.

| Specimen No. | Laboratory id. (Genus species; common name; length in mm) | Unicomarine id. | Code / Comments |
|--------------|---|---|--|
| 1 | <i>Sprattus sprattus</i> ; Sprat; 49, 43 | <i>Sprattus sprattus</i> ; Sprat | - |
| 2 | <i>Liza ramada</i> ; Thin-lipped Grey Mullet; 24, 29, 142, 125 | <i>Liza ramada</i> (x 2); Thin-lipped Grey Mullet | Specimen bag includes Mugilidae juv. (x 2) |
| 3 | <i>Clupea harengus</i> ; Herring; 63 | <i>Clupea harengus</i> ; Herring | - |
| 4 | <i>Osmerus eperlanus</i> ; Smelt; 91 | <i>Osmerus eperlanus</i> ; Smelt | - |
| 5 | <i>Abramis brama</i> ; Common Bream; 58 | <i>Abramis brama</i> ; Common Bream | - |
| 6 | <i>Pomatoschistus minutus</i> ; Sand Goby; 55 | <i>Pomatoschistus minutus</i> ; Sand Goby | - |
| 7 | <i>Dicentractus labrax</i> ; Sea Bass; 86 | <i>Dicentrarchus labrax</i>; Sea Bass | sp |
| 8 | <i>Scomber scombrus</i> ; Mackerel; 321 | <i>Scomber scombrus</i> ; Mackerel | - |
| 9 | <i>Mullus surmuletus</i> ; Striped Red Mullet; 242, 134 | <i>Mullus surmuletus</i> ; Striped Red Mullet | - |
| 10 | <i>Solea solea</i> ; Sole; 196, 115 | <i>Solea solea</i> ; Common Sole | - |
| 11 | <i>Platichthys flesus</i> ; Flounder; 168, 155, 104 | <i>Platichthys flesus</i> ; Flounder | - |
| 12 | <i>Limanda limanda</i> ; Dab; 215, 125, 132 | <i>Limanda limanda</i> ; Dab | - |
| 13 | <i>Pleuronectes platessa</i> ; Plaice; 90, 106 | <i>Pleuronectes platessa</i> ; Plaice | - |
| 14 | <i>Scophthalmus rhombus</i> ; Brill; 154 | <i>Scophthalmus rhombus</i> ; Brill | - |
| 15 | <i>Gadus morhua</i> ; Cod; 360, 124 | <i>Gadus morhua</i> ; Cod | - |
| 16 | <i>Ciliata mustela</i> ; 5-bearded Rockling; 160, 80 | <i>Ciliata mustela</i> ; Five-bearded Rockling | Additional specimen |
| 17 | <i>Trisopterus luscus</i> ; Pout; 199, 152, 96 | <i>Trisopterus luscus</i>; Bib | Additional specimen; sp |
| 18 | <i>Merlangius merlangus</i> ; Whiting; 95, 100 | <i>Merlangius merlangus</i> ; Whiting | Additional specimen |
| 19 | <i>Pomatoschistus microps</i> ; Common Goby; 70, 65, 65, 60, 72 | <i>Pomatoschistus minutus</i>; Sand Goby | Additional specimen; TE - 12 anal fin rays, black spot on dorsal fin |
| 20 | <i>Trigla lucerna</i> ; Tub Gurnard; 302 | <i>Chelidonichthys lucernus</i>; Tub Gurnard | Additional specimen; nc |
| 21 | <i>Aspitrigla cuculus</i> ; Red Gurnard; 247 | <i>Aspitrigla cuculus</i> ; Red Gurnard | Additional specimen |