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Overview: This protocol describes a method used to sample sea bass oocytes and sperm for isolation of small and large RNA with NucleoSpin® miRNA kit (MACHEREY-NAGEL)

Consumables:

- Micro sampling reagent spoon stainless steel mixing spatula
- 1.5 ml Eppendorf tubes
- stainless steel micropestle
- Lysis Buffer ML from NucleoSpin miRNA kit for miRNA and RNA purification (MACHEREY-NAGEL)
- Crushed ice

- 2.1 A number of ovulated oocytes or a quantity of stripped sperm corresponding to a volume of 0.25 cm<sup>3</sup> was collected with a spoon stainless steel spatula and transferred to a 1.5ml Eppendorf tubes containing 300 µl of Lysis Buffer ML in crushed ice.
- 2.2 The cell suspension was disrupted with a stainless steel micropestle (ten passes) and stored at -80°C until extraction.