

<海洋生物飼育日誌>

2022年4月4日9時

天気 曇

水温 19.5°C

月曜は水質確認の日。通常は水温、アンモニア、pHで管理し、今日は硝酸、亜硝酸、リン酸、硬度(ミネラル)を追加。測定は項目別の検査キットで行うが、発色までの時間が分単位で異なるため、迅速かつ繊細なテクニックと冷静な判断が必要なのです。(山)

The image contains three panels. The top-left panel shows a standard color chart for Nitrate-Nitrogen (NO₃⁻-N mg/L) with color swatches at 0.2, 0.5, 1, 2, 5, and 10 ppm. The top-right panel shows a standard color chart for Total Hardness (CaCO₃ mg/L) with color swatches at 0, 10, 20, 50, 100, and 200 ppm. The bottom panel is a large green-bordered instruction sheet titled 'パックテスト 測り方' (Pack Test Measurement Method). It includes a warning to use clean containers, a diagram of the test tube with a 'ライン' (line) and 'この部分をつまんで引き抜く' (pinch and pull out this part), and four numbered steps: 1. Remove the test tube from the laminate packaging, pulling out the tip and the line. 2. Hold the bottom half of the tube with the index finger, pinch the middle, and push out the air. 3. Dip the tube into the water, pinch the middle, and wait until the water level is about halfway up. 4. After the reaction time, compare the color to the standard color chart. A 'ワンポイント' (One Point) note says: 'スポイトのように水を吸い込む時、穴を水の中に入れ、指の力を抜いてゆっくり1, 2, 3と数えるようにするとうまくいきます。' (When sucking water like a pipette, put the hole in the water, release the finger force, and count slowly 1, 2, 3 to do it well.)