



BIOMARINE BIOPAK 240 Revolution BREATHING APPARATUS

Scoresheets For 2020 IMRC

The following are examples of performance checklists (scoresheets) with merit/penalty values (scoring points). This document is being provided to the teams in advance of the 2022 IMRC for training purposes. These rule interpretations were agreed upon by Simulation Lead Judges and Simulation Judges in advance of the event.

These provided interpretations of the rules and scoring examples are for Section 8, Technician Bench Breathing Apparatus Scenario/Simulation Rules

Not all scoring examples provided in this document will be used in the 2022 IMRC problem design.

EAM NAME _____

TECHNICIAN'S NAME: _____

Date: _____ TOTAL MERITS _____

WORKING TIME _____





Merit Point Scoring:

- 0 = not done
- +1 = poor attempt
- +2 = needs improvement
- +3 = excellent meets all requirements

1. Every line must be scored.
2. A score of 0, 1 or 2 **must be explained** by the judges.
3. When a score of 3 is applied, comments are encouraged
4. If the Technician runs out of time a score of 0 will apply to remaining actions

Rough Handling or abuse of Equipment:

1. Rough handling demerits will be deducted from the total score
2. Judges can deduct 1 to 5 points per incident of rough handling of equipment
4. Rough handling demerits will have a maximum of 10 points
3. Rough handling deductions must be explained by the judges

SCENARIO

When the Technician arrives, they will find;

- A fully assembled Biomarine 240 R Breathing Apparatus.
- A kit of tools
- An isolation test kit
- A Tester
- Liquid for Detection of Leaks
- All spare parts that are necessary to carry out the task





STEP	TESTER SETTING	PROCEDURE HINTS
1. Visual Inspection condition Judge's Remarks _____ _____		Inspect for good 0 1 2 3
2. Insert Oxygen Cylinder Judge's Remarks: _____ _____		Fully Charged 0 1 2 3
3. Insert CO2 Canisters Judge's Remarks: _____ _____		Factory Packed, PAD IN 0 1 2 3





4. Facepiece and Hoses

Check for good condition

0 1 2 3

Judge's Remarks: _____

5. Demand Valve Test

O2 ON Listen Valve On/OFF

0 1 2 3

Judge's Remarks: _____

6. Constant Flow Test

Test Fixture attached

O2 ON 1.8 LPM to 2.4 LPM

0 1 2 3

Judge's Remarks: _____

7. Vent Valve Test

Tester Attached

By-Pass/Vent Opens Less 2

0 1 2 3

Judge's Remarks: _____





8. Low Pressure Test

Tester Attached

Keys In/6-8" WC/1 minute

0 1 2 3

Judge's Remarks: _____

9. High Pressure Leak Test

Leak Tech, 60 second test

0 1 2 3

Judge's Remarks: _____

10. By-Pass Valve Test

Audible ON/OFF

0 1 2 3

Judge's Remarks: _____

11. Alarm Test ON

O2 ON Buzzer ON/OFF Lights

0 1 2 3

Judges Remarks: _____





11B. Alarm Test OFF

O2 OFF Buzzer On/OFF Lights

0 1 2 3

Judge's Remarks: _____

12. Attach Maintenance CARD to Carrying Handle

0 1 2 3

Judge's Remarks: _____

Judge's Name: _____

Judge's Name: _____

Merit Points _____

Minus Demerits _____

Total Points: _____

Working Time: _____

Example

