

# Appendix A: Data Collection Sheet

## 1st Visit

- ☐ Date: 6/17/23
- ☐ Participant Demographics:
  - ☐ Subject ID: 508
  - ☐ Date of Birth: 12/14/2001
  - ☐ Biological Sex: Female
  - ☐ Highest Education: High School + some college
  - ☐ Experience with robots or exoskeleton. If yes, what kind and how many years?: Yes, 3 years
  - ☐ Height(in): 5'4"
  - ☐ Weight(lbs): 150
  - ☐ Allergy to Adhesive: none

## Participant MYOMO measurements:

- ☐ Forearm Circumference (cm): 9
- ☐ Biceps Circumference (cm): 11
- ☐ Upper arm length (cm): 10
- ☐ Wrist Thickness (Anterior-posterior)(cm): 1.5
- ☐ Forearm Length (cm): 8.5
- ☐ Pointer finger length (cm): 3
- ☐ Middle finger length (cm): 3
- ☐ Muscle used for triceps: lateral head

### Elbow Settings

|                   |    |
|-------------------|----|
| Advanced Settings |    |
| E1                | 60 |
| E2                | 65 |

|                         |         |
|-------------------------|---------|
| Basic Settings          |         |
| Bicep Gain              | 8.8 8.0 |
| Tricep Gain             | 9.4 5.8 |
| Bicep/Tricep Proportion |         |

### Hand Settings

|                   |    |
|-------------------|----|
| Advanced Settings |    |
| E1                | 40 |
| E2                | 35 |

|                       |          |
|-----------------------|----------|
| Basic Settings        |          |
| Close Gain            | 10.8 8.8 |
| Open Gain             | 10.0 9.0 |
| Close/Open Proportion |          |

Time to Set Parameters:

Time begin Familiarization Session: 8:26

Time to end Familiarization Session: 8:50

6/20/23

# Elbow Settings

|                   |    |
|-------------------|----|
| Advanced Settings |    |
| E1                | 65 |
| E2                | 75 |

|                         |                          |
|-------------------------|--------------------------|
| Basic Settings          |                          |
| Bicep Gain              | <del>6.5</del> 6.4 → 7.0 |
| Tricep Gain             | 12.8                     |
| Bicep/Tricep Proportion | 10                       |

## Hand Settings

|                   |    |
|-------------------|----|
| Advanced Settings |    |
| E1                | 35 |
| E2                | 35 |

|                       |     |
|-----------------------|-----|
| Basic Settings        |     |
| Close Gain            | 8.8 |
| Open Gain             | 9.0 |
| Close/Open Proportion | 10  |

## Time to Set Parameters:

Time begin Familiarization Session: 8:26

Time to end Familiarization Session: 8:33