



CERTIFICATE OF ANALYSIS

Product Description: Muscle Injury Panel 3 (mouse) Kit**Lot Number:** K0040590**Expiration Date:** 31 JAN 2028**Catalog Number:** K15186C-Series**Lot-Specific Components:**

| Description | Lot Number | Storage Temperature | Expiration Date |
|---|------------|---------------------|-----------------|
| Anti-ms FABP3 Antibody | D0041093 | 2-8°C | 28 FEB 2029 |
| Anti-ms Myl3 Antibody | D0041094 | 2-8°C | 28 FEB 2029 |
| Anti-ms Troponin I (cardiac) Antibody | D0041092 | 2-8°C | 31 JAN 2029 |
| Anti-ms Troponin I (fast-twitch) Antibody | D0041095 | 2-8°C | 31 JAN 2029 |
| Muscle Injury Panel 3 (Mouse) 96-Well 7-Spot SECTOR Plate | Z0057601 | 2-8°C | 31 JAN 2028 |
| Diluent 30 | M0300041 | ≤ -10°C | 31 MAR 2028 |
| Diluent 33 | M0330021 | ≤ -10°C | 30 APR 2028 |
| Muscle Injury Panel 3 Calibrator Blend | A0040290 | ≤ -70°C | 31 JAN 2028 |

Additional components may be provided to execute the assay. Additional components are not lot-specific.

Precision, Accuracy, and Sensitivity Specifications:

| | | Calibrator | | Muscle Injury Panel 3 Control 1 | | Muscle Injury Panel 3 Control 2 | | Mouse Injury Panel 3 Control 3 | |
|------|--------------------------|------------|-------|---------------------------------|-------|---------------------------------|-------|--------------------------------|-------|
| Spot | Name | Recovery | CV | Recovery | CV | Recovery | CV | Recovery | CV |
| 1 | Troponin I (cardiac) | 80% - 120% | < 20% | 75% - 125% | < 20% | 75% - 125%* | < 20% | N/A* | N/A* |
| 3 | FABP3 | 80% - 120% | < 20% | 75% - 125%* | < 20% | N/A* | N/A* | N/A* | N/A* |
| 5 | Myl3 | 80% - 120% | < 20% | 75% - 125% | < 20% | 75% - 125% | < 20% | 75% - 125% | < 20% |
| 6 | Troponin I (fast-twitch) | 80% - 120% | < 20% | 75% - 125% | < 20% | 75% - 125% | < 20% | 75% - 125% | < 20% |

*See Additional Comments

| | | LLOQ | | | ULOQ | | |
|------|--------------------------|-------|------------|-------|-------|-------------|--------|
| Spot | Name | Value | Recovery | CV | Value | Recovery | CV |
| 1 | Troponin I (cardiac) | 0.070 | 75% - 125% | < 25% | 13.2 | 80% - 120%* | < 20% |
| 3 | FABP3 | 1.00 | 75% - 125% | < 25% | 26.8 | 80% - 120% | < 20%* |
| 5 | Myl3 | 0.300 | 75% - 125% | < 25% | 41.4 | 80% - 120% | < 20% |
| 6 | Troponin I (fast-twitch) | 0.505 | 75% - 125% | < 25% | 155 | 80% - 120% | < 20% |

*See Additional Comments



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Non-Specific Binding Specifications:

| Spot | Name | Troponin I (cardiac) | FABP3 | Myl3 | Troponin I (fast-twitch) |
|------|--------------------------|----------------------|--------|--------|--------------------------|
| 1 | Troponin I (cardiac) | NA | < 1.0% | < 1.0% | < 1.0% |
| 3 | FABP3 | < 1.0% | NA | < 1.0% | < 1.0% |
| 5 | Myl3 | < 1.0% | < 1.0% | NA | < 1.0% |
| 6 | Troponin I (fast-twitch) | < 1.0% | < 1.0% | < 1.0% | NA |

Stock Concentration of Calibrator:

| Spot | Name | Conc. | Units |
|------|--------------------------|-------|-------|
| 1 | Troponin I (cardiac) | 330 | ng/mL |
| 3 | FABP3 | 1412 | ng/mL |
| 5 | Myl3 | 1342 | ng/mL |
| 6 | Troponin I (fast-twitch) | 3920 | ng/mL |

Dilution to top of Curve: 20X

Additional Comments:

| Spot | Name | Specification | Comment |
|------|----------------------|---------------|---|
| 1 | Troponin I (cardiac) | Control Conc. | The specification for Control 2 % recovery is 75-125%; the actual measured value was 145.2%. Applying the LLOQ at 0.07 ng/mL caused Control 3 to fall outside of the quantifiable range. |
| 3 | FABP3 | Control Conc. | The specification for Control 1 % recovery is 75-125%; the actual measured value was 134.7%. Applying the LLOQ at 1.00 ng/mL caused Control 2 and 3 to fall outside of the quantifiable range |
| 1 | Troponin I (cardiac) | ULOQ Conc. | Alternate ULOQ @ 13.2ng/mL selected; targeted ULOQ at 20.0 ng/mL not in the dynamic range. |
| 3 | FABP3 | ULOQ CV | ULOQ inter-plate CV specification (< 20%) at 26.8 ng/mL; Actual measured value was 34.2%. |

This product is intended for Research Use Only. Not for use in Diagnostic Procedures.

| | Name | Function | Signature | Date |
|-----------------|---------------|----------|-----------|-------------|
| Review/Approval | Karen Hamilla | Quality | | 05 JAN 2026 |