

Reduced Study Costs Through Automation



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Why Should I Care About Using Automated Animal ID?

Identification errors associated with manual ID methods frequently lead to...

- Administering the wrong treatments
- Collecting wrong measurements
- Negative impact on study data integrity
- Hidden costs associated with manual methods...

What Are The Hidden Costs of Manual Identification Methods?

- Compromised study data
- Wasted lab technician time:
 - Deciphering data from manual methods
 - Re-measuring animals
- Noisy data from ID errors (need more animals per group)
- Cost of replacing compromised test animals
- Cumulative labor costs

How Do RapID[®] Tags Reduce Animal Identification Errors?

Benefits of RapID Tag's automated technology...

- Rapid (< 1 sec) hands-free automated scanning
- 100% accurate; 100% of the time
- No interpretation of ID is required
- Data collection time is optimized
- Multi-colored tags allow visual ID w/o scanning

Cost Justification of RapID Tags

- Quantitative Analysis -

Test Assumptions:

Time to ID and record data (ear punching/metal tags)20 seconds

Time to ID and record data (RapID Tags).....1 second

Typical study length (weeks)12 weeks

Number of test animals100

Number of IDs per week (@ 1 per day).....700

Fully-burdened biologist labor rate (hourly).....\$38

Manual ID method labor cost $(20 \times 12 \times 700 \times 38) / 3600 =$ \$1,773

Automated RapID Tag labor cost $(1 \times 12 \times 700 \times 38) / 3600 =$ \$88

Savings per test using RapID Tags..\$1,685

Cost Justification of RapID Tags

- Qualitative Analysis -

The qualitative benefits of RapID Tags, including their study data integrity and accuracy, are numerous but difficult to value qualitatively.

However, the cost of RapID Tags is easily justified when the following is considered...

... the cost for each *repeated* study necessitated by identification errors can range from **\$15,000 to \$30,000**, or more, when all hard and soft costs are taken into account.

End of Presentation

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