



## **Advantages**

- © definite allocation of sample and animal
- effective and time saving through automated data registration (human errors prevented)
- improvement of processing costs (standardized tissue samples)

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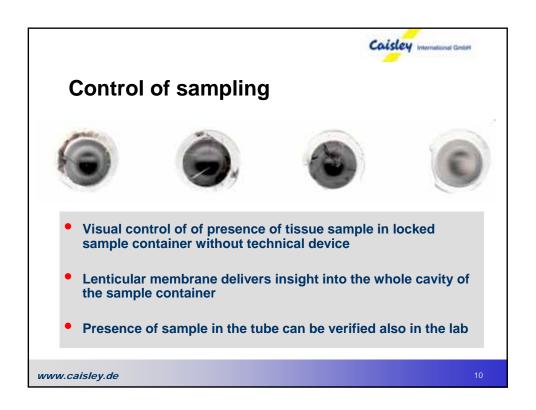
# Caisley International Graph

# Standardized sample size



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## **Applicators**

#### one type applicable for all ear tags

with or without tissue sampling



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parallel closing mechanism available adapter for all types of animal identification systems/ tissue sampling

- official ID cattle/ sheep
- button tags
- vet kits
- all other conventional ear tags (visual identification)

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# Sample identification

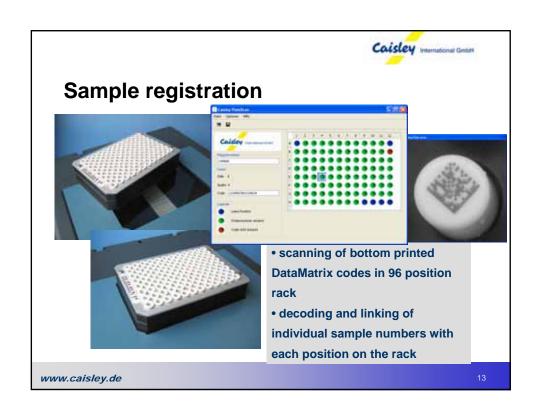
unique and guaranteed well-defined

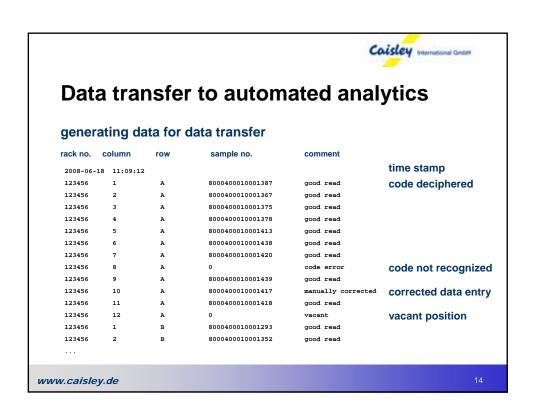


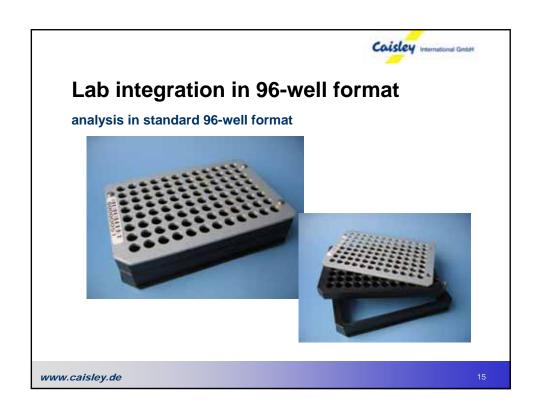
#### labelling standard:

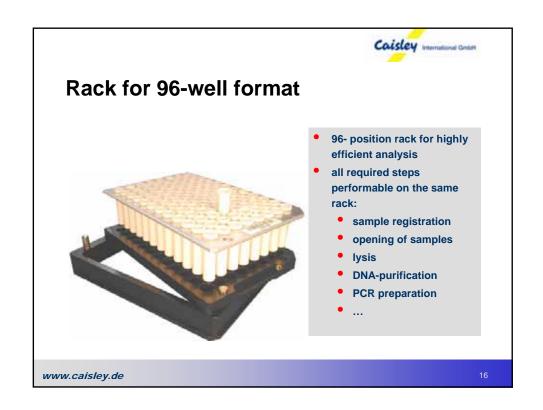
- DataMatrix-code with unique number
- customized identification (line one – up to 12 letters)
- individual sample number (2<sup>nd</sup> and 3<sup>rd</sup> line – up to 24 numbers)

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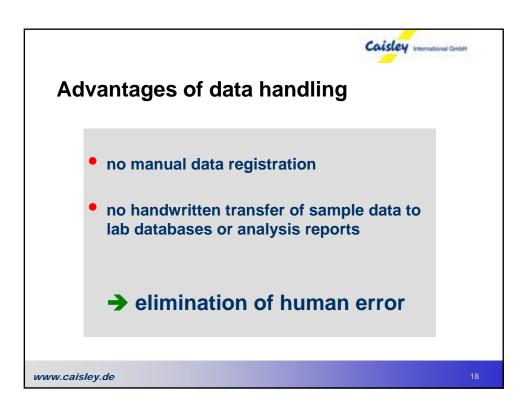












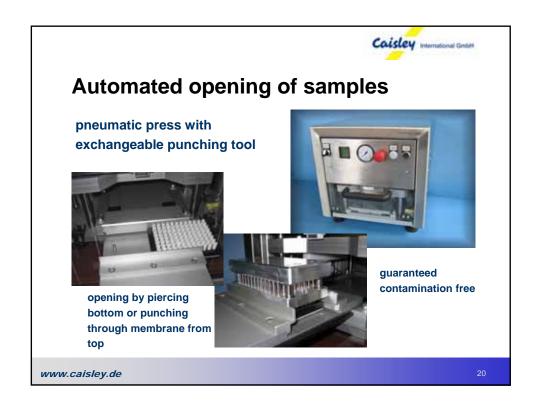


## **Advantages of sample-handling**

#### efficient storage management

- documentation of all storage movements
- documentation of sample throughput
- increase in performance
  - → reduction of costs

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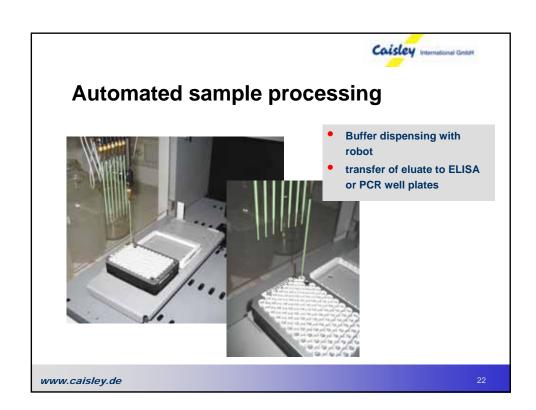
# Sample processing by hand

- ✓ lysis and incubation directly in the sample container with established protocols
- ✓ liquid handling with conventional lab methods





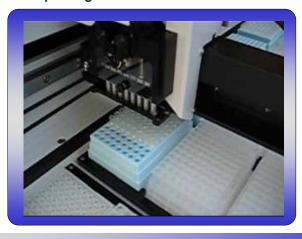
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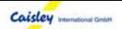
# **Automated liquid handling**

e.g. for PCR pooling with Corbett robot



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# **Capacities / performance**

process	duration	throughput	comment
positioning on 96-rack	+/- 3 min	2000 samples/h	possible identification of damaged sample tubes
registration with scanner	+/- 3 min	2000 samples/h	possible cleaning of dirty sample tubes
opening with punching tool	+/- 2 min	3000 samples/h	punching tool needs to be decontaminated on a regular basis

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# Thank you very much for your attention!



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