

MEAT PRODUCT TRACE-BACK

LIVE ANIMAL TRACE-BACK

**Can your trace-back program
stand up to the scrutiny,
accountability and credibility
provoked by DNA trace-back
confirmation?**

Introducing ProSampler Livestock Ear Tissue Punch Collection Tool and Method

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The premise:

- **Storing biological samples tied to individual animal ID will become the “best practice” standard for accurate and optimum meat and live animal trace-back .**
- **Tissue punch collection is the most practical field sampling method because unlike other methods, ear tissue punching can be sufficiently carried out in large numbers by unskilled labor.**

ProSampler™ Novel Tissue Sampling Storage & Archiving Method & System

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- 96-well plate format – high thru put DNA lab compatible
- 96 individual tissue capsules per plate
- Small storage & handling footprint: 5" x 3" x 2.5"
- 24 plates per cubic foot
- 46,000 tissue capsules in a 20 cubic foot storage unit



Excel-based Field Report Form in each kit – 12 clips on 8 ½ x 11 hard copy report form

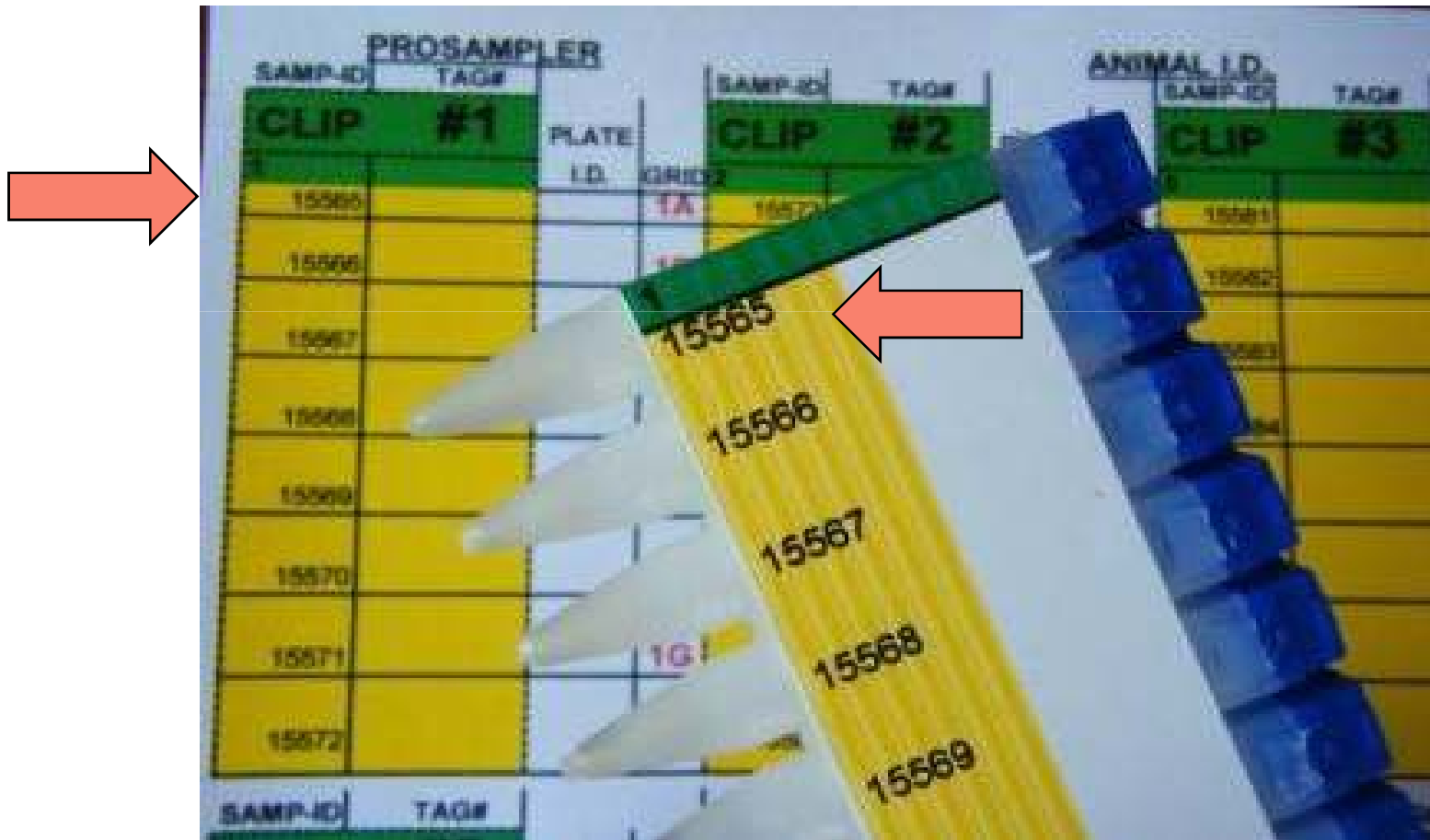
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PROSAMPLER				ANIMAL I.D.				FIELD LAB			
SAMP-ID	TAG#	PLATE	GRID	SAMP-ID	TAG#	PLATE	GRID	SAMP-ID	TAG#	PLATE	GRID
15565			1A	15573			2A	15581			3A
15566			1B	15574			2B	15582			3B
15567			1C	15575			2C	15583			3C
15568			1D	15576			2D	15584			3D
15569			1E	15577			2E	15585			3E
15570			1F	15578			2F	15586			3F
15571			1G	15579			2G	15587			3G
15572			1H	15580			2H	15588			3H

SAMP-ID	TAG#	PLATE	GRID	SAMP-ID	TAG#	PLATE	GRID	SAMP-ID	TAG#	PLATE	GRID
15597			5A	15605			6A	15613			7A
15598			5B	15606			6B	15614			7B
15599			5C	15607			6C	15615			7C

Field Report Form synched up with 96-test kit capsule strips (clip #1 - #15565 first capsule below)

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Unique sequential serial numbers assigned to each tissue collection capsule

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- Individual animal I.D. recorded next to capsule I.D. number.
- **(RFID) Radio frequency ID tag scanning compatible.**
- Establishes data base cross-reference between capsule I.D. and animal I.D.
- Attached capsule strips with sequential numbers enhances ease of handling & organized storage.

SAMP-ID	PROSAMPLER TAG#	PLATE I.D.	GRID 2	SAMP-ID
	CLIP #1			CLIP
1				
15565			1A	1557
15566			1B	1557
15567			1C	1557
15568			1D	1557
15569			1E	1557
15570			1F	1557
15571			1G	1557
15572			1H	1557

Individual Tissue Capsule Position Assignment in 96-well Plate

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- Each animal and capsule I.D. assigned a grid position
- Assigned Plate I.D.
- All I.D. fields cross referenced to storage unit, shelf position, etc.

PROSAMPLER				
SAMP-ID	TAG#	PLATE I.D.	GRID	SAM
15565	#1		1A	1
15566			1B	1
15567			1C	1
15568			1D	1
15569			1E	1
15570			1F	1
15571			1G	1

Make Your Trace-back System ProSampler DNA-Trace-Back Capable!

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- ❑ **Powerful trace-back system auditing tool**
- ❑ **Absolute validation of any trace-back method or system**
- ❑ **“Best practice” quality-control measure**
- ❑ **Low cost method**
- ❑ **Unskilled field collection labor-friendly**

Tissue Sample Archiving Made Easy, Efficient and Cost-effective.

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“Those livestock producers and branded meat product purveyors that have **DNA** trace-back capability will have a strong competitive advantage over those who do not.”

ProSampler™

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Jenrik Ag, LLC - Scandia, MN USA

strom@jenrik.com

www.ProSampler.com